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FUNCTIONAL DESCRIPTION FOR AN ENHANCED PE DATA BASE (PROBE) INT--ETC(U)

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CR-225



## Functional Description for an Enhanced PE Data Base (PROBE Interface Study)



Submitted to:

Program Analysis and Evaluation Directorate  
Office of the Chief of Staff, U.S. Army  
The Pentagon  
Washington, D.C. 20310  
ATTN: Major Arthur L. West III

October 1978



**GENERAL  
RESEARCH**



**CORPORATION**

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# report

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## **Functional Description for an Enhanced PE Data Base (PROBE Interface Study)**

By:

Gerald E. Paul

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Contract No. MDA903-76-C-0175 Modification  
NO. P00005, item no. 0002AN

Expiration Date: 31 January 1979



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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER CR-225	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Functional Description for an Enhanced PE Data Base (PROBE) Interface Study		5. TYPE OF REPORT & PERIOD COVERED Final Report 1 March - 31 Oct 78
7. AUTHOR(s) Gerald E. Paul		6. PERFORMING ORG. REPORT NUMBER CR-225
9. PERFORMING ORGANIZATION NAME AND ADDRESS General Research Corporation Westgate Research Park McLean, Virginia 22102		8. CONTRACT OR GRANT NUMBER(s) MDA903-76-C-0175 Modification NO. P00005
11. CONTROLLING OFFICE NAME AND ADDRESS PROBE Steering Committee Office of the Chief of Staff, U. S. Army The Pentagon, Washington, D. C. 20310		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office) Program Analysis and Evaluation Directorate Office of the Chief of Staff, U. S. Army The Pentagon, Washington, D. C. 20310		12. REPORT DATE October 1978
		13. NUMBER OF PAGES
		15. SECURITY CLASS. (of this report) Unclassified
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report)  Approved for open literature  12 99 p		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)  Approved for open literature		
18. SUPPLEMENTARY NOTES  None		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Program Optimization & Budget Evaluation (PROBE) Planning, Programing and Budgeting System (PPBS) Five Year Defense Program (FYDP) Management Languages Resource Management		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) The Program Optimization and Budget Evaluation (PROBE) Interface Study has been conducted for the Department of the Army by General Research Corporation since December 1974. The overall study objective has been to define major problem areas and develop solutions essential to bring discipline to the Planning, Programing and Budgeting System (PPBS) processes. The Functional Description for an Enhanced PE Data Base describes what is needed to:		

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19.

Army Management Structure Code (AMSCO)  
 Defense Planning and Programing Category (DPPC)  
 Functional Program (FP)  
 Mission Budget Category (MBC)  
 Program Element (PE)  
 Program/Subprogram (PSP)  
 Resource Identification Code (RIC)  
 Unit Identification Code (UIC)  
 TOTAL Data Base Management System (DBMS)  
 Force Development Integrated Management System (FORDIMS)

20.

- a. Provide a single, authoritative automated source within which all valid combinations of the following data elements are defined: Army Management Structure Code; Defense Planning and Programing Category; Functional Program; Mission Budget Category; Program Element; Program/Subprogram; Resource Identification Code; and, Unit Identification Code.
- b. Reduce data redundancy by providing means of linking the data elements cited above under the TOTAL DBMs, thereby eliminating the need to carry PE and its related elements in systems which include AMSCO and UIC or AMSCO alone.
- c. Provide an audit trail of changes to PE titles, definitions, and related data elements caused by PE restructuring actions.
- d. Provide an automated means of producing and maintaining an Army Program Element Definitions Handbook.

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## SECTION 1. GENERAL

1.1 Purpose. This Functional Description (FD) for an Enhanced Program Element (PE) Data Base is written to provide:

- a. The system requirements to be satisfied and which serve as the basis for mutual understanding between the user and the developer.
- b. Information on performance requirements, preliminary design, and user impacts.
- c. A basis for the development of system tests.

1.2 Project References. The references below are applicable to the history and development of the project to develop an enhanced PE data base. The project encompasses development of enhancements to existing Department of the Army (DA) management information systems (MIS) using the capabilities of the TOTAL data base management system (DBMS) and other appropriate software techniques. The enhanced capabilities will be made available to users of the United States Army Management Systems Support Agency (USAMSSA) within which data processing installation the programs will be run. The sponsor for this project is the Office of the Chief of Staff, Program Analysis and Evaluation Directorate (PAED). The following references apply:

- a. DOD Handbook 7045.7(H), FYDP Program Structure, Codes and Definitions.
- b. DOD Standard 7935.1-S, DOD Automated Data Systems Documentation Standards.
- c. DA TB 18-115, Army Information Documentation Standards (draft).
- d. CSR 11-3, Army Five Year Defense Program.
- e. CSR 11-5, Staff Responsibilities and Relationships of FYDP Major Program/Program Element Directors.
- f. CSR 11-7, Staff Responsibilities for the Army Management Structure Code Data Base.
- g. CSR 15-25, Program Optimization and Budget Evaluation Steering Committee.
- h. CSR 18-11, Force Development Management Information System (FORDIMS).
- i. AR 37-100, The Army Accounting Classification Structure (Fiscal Code).

j. AR 37-100-78, Financial Administration, The Army Management Structure-Appropriations and Funds Available for Obligations, Expense and Expenditures.

k. User's Manual for AMSCO Data Base Maintenance, dated March 1978.

l. FORDIMS User's Guides.

<u>Volume</u>	<u>Title</u>
I	Introduction and Program/Budget Subsystem
II	Force Structure Subsystem
III	Authorizations Subsystem

m. PROBE Army Staff User's Manual.

n. Contract NO. MDA903-76-C-0175 Modification NO. P00005, item no. 0002AN (Appendix A).

1.3 Abbreviations and Acronyms. See Appendix B.

## SECTION 2. SYSTEM SUMMARY

2.1 Background. As documented in earlier PROBE interface studies, the need exists to be able to cross-walk among the Army management languages below. Integral to this need is the requirement for definitional consistency and currency among these management languages.

- Army Management Structure Code (AMSCO)
- Defense Planning and Programing Category (DPPC)
- Functional Program (FP)
- Mission Budget Category (MBC)
- Program Element (PE)
- Program/Subprogram (PSP)
- Resource Identification Code (RIC)
- Unit Identification Code (UIC)

a. HQDA-automated MIS, such as the FORDIMS, which are being developed under the TOTAL DBMS, need enhanced PE interfaces to (1) increase data base accuracy, and (2) to reduce the requirement for each MIS to record and carry PE-related data elements such as DPPC, FP, MBC, PSP, and RIC. If emerging HQDA MIS are to be enhanced, the problems extant at present must be fully understood.

b. Detailed analyses of AMSCO definitions, PE definitions, the Force Accounting System (FAS) data base, and the FYDP system data base reveal pervasive problems caused by lack of disciplined control of PE and AMSCO definitions. For example, 249 PEs are defined to exclude manpower. The related AMSCO definitions for 104 of those same PEs specify that manpower is to be reported in them. The Major Army Commands report manpower and other information to The Army Authorization Documents System (TAADS) via the Vertical TAADS (VTAADS) based on the AMSCO definitions. The FAS subsequently translates the reported authorization data from AMSOs to PE codes. Consequently, when one compares authorization data by PE code recorded in FAS to authorization data by PE code reflected in the FYDP system, widespread differences are revealed which may be attributed to the definitional variances.

c. Work is now under way to develop an Army Program Element Definitions Handbook. As a part of this process, the definitions of all Army PEs and their associated AMSOs are being reviewed to identify definitional disconnects and to evaluate the clarity, compatibility, and completeness of the PE and AMSCO definitions. The AMSCO definitions are currently maintained

by means of a free-form automated text management system. At present, the Army Program Element Definitions Handbook is planned for manual publication.

d. Each PE has by definition a related set of data elements (DPPC, FP, MBC, PSP, and RIC). Nevertheless, because a PE and each of its related data elements is carried in essentially separate edit tables, validity and syntax edits are mainly used for these data elements. Association edits are limited. Although it is possible to define the sets of AMSCOs and UICs which may be associated with a PE and its related data elements, no capability exists to perform automated edits based on these associations.

## 2.2 Objectives. The purposes of this project are to:

a. Provide a single, authoritative automated source within which all valid combinations of the following data elements are defined:

AMSCO	MBC	RIC
DPPC	PE	UIC
FP	PSP	

b. Reduce data redundancy by providing means of linking the data elements cited in 2.2a. above under the TOTAL DBMS, thereby eliminating the need to carry PE and its related elements in systems which include AMSCO and UIC or AMSCO alone.

c. Provide an audit trail of changes to PE titles, definitions, and related data elements resultant from PE restructuring actions.

d. Provide an automated means of producing and maintaining an Army Program Element Definitions Handbook.

2.3 Existing Methods and Procedures. Inasmuch as the enhanced PE data base may not be implemented until after the FORDIMS Program/Budget Subsystem (P/BS), Force Structure Subsystem (FSS), and Authorizations Subsystem (AS) are operational, the methods and procedures which should be applicable at that time are described herein. Each data element under consideration is discussed in turn.

a. AMSCO. The AMSCO data base consists of two single and two variable entry files designed to reside in the TOTAL DBMS. Briefly, the AMSCO Master Entry file contains a record for each AMSCO contained on one or more records of the two variable entry files. The single entry AMSCO Fiscal Year file contains a record for each fiscal year contained on the variable entry AMSCO Base Record file. The variable-entry AMSCO Base Record file contains one record per AMSCO per fiscal year to which it applies. The AMSCO Prior/ Future file contains records for prior and future AMSCOs as appropriate and needed to provide an audit trail of AMSCO changes in the AMSCO Base Record file.



The AMSCO data base contains the following data items of significant interest to this project: AMSCO; PSP code; PE code; and DPPC code. As a rule, systems such as the FSS, which require entry of AMSCO on input transactions and also require PE code, PSP code, and DPPC code for internal system use, perform a validity edit of AMSCO input against the AMSCO Base Record file and, if the edit is passed, system generate the other data elements from the AMSCO Base Record file under the assumption that they are valid if they are on the AMSCO data base.

b. DPPC. The PPC Descriptor File contains DPPC code and its abbreviated title. The capabilities to perform DPPC validity edits and DPPC title table look-ups are provided by this file. When DPPC titles change, the DPPC coding structure is revised, or the DPPC's PE content is altered, the data bases for all systems which contain DPPC must be reviewed to determine what actions are required.

c. PE. A PE Descriptor File is maintained under the TOTAL DBMS by USAMSSA based on input from PAED. This file contains the PE code, its title abbreviation, an indication if it is historical, and its DPPC code. This file is the look-up table source of PE titles available to all systems which need this capability for the production of reports. A separate table is used to perform PE and DPPC code validity and association edits by the FYDP system and AMSCO.

d. PSP. A PSP Descriptor File is maintained by USAMSSA based on inputs from PAED. This file contains the major force program (first digit of PE code) and its title. This file is available as a look-up source of major force program titles to all systems which need them. As a rule, systems which include PE code or AMSCO automatically generate major force program based on the first position of one of those codes. The PSP Descriptor File also contains subprogram codes and title abbreviations. This file is available for use in performing validity edits and as a look-up table source of subprogram titles.

e. RIC. A RIC Descriptor File is maintained under the TOTAL DBMS by USAMSSA based on inputs from PAED. This file contains the RIC, its title abbreviation, an indication if it is historical, and a record type indicator. This file is available for RIC validity edits and as the look-up table source of RIC titles to all systems which use this data element. It is possible to inappropriately associate RICs with PEs and UICs since no edit table exists which specifies valid relationships among these data elements.

f. UIC. A number of "UIC" master files are available and used to validate UICs in the systems which use this data element. Analyses of these UIC files indicate that the FSS FICOD/UICOD Index is the best candidate for use as a master file.

2.4 Proposed Methods and Procedures. The enhanced PE data base concept is constructed such that the capabilities of existing systems and data bases are used to the maximum possible extent. In all cases, the capabilities of existing systems are maintained and enhanced through provision of automated data element association edits and reduced data element redundancy. Figure 2-01 below portrays the overall structure of the Enhanced PE Data Base. The key features of each component of the data base are discussed in the following paragraphs.

a. The PE Master single entry file is the authoritative source for, and contains one record for, each current, historical, projected, tentative and cancelled PE. An indicator is used to denote the status of each PE. The entry key for this file is the PE code. The TOTAL DBMS permits only one occurrence of each key on a single entry file. Since PE titles and DPPCs associated with a PE code may change over time, these data items are stored elsewhere. The PE Master file is linked to the FYDP system Base, Audit Trail and Manpower Cost variable entry files. It is also linked to the AMSCO Base, the Current Description, the PE Work file, and the Prior PE Description variable entry files.

b. The RIC Master single entry file is the authoritative source for, and contains one record for, each current, historical, and cancelled RIC. RIC titles change over time in the same manner as PE titles. Therefore, only the currently effective RIC title is kept on the RIC Master. Prior versions of this data element are stored elsewhere. Record type is not subject to this condition; therefore, this data element is maintained on this file. The RIC single entry file is linked by RIC to the FYDP Audit Trail and Base variable entry files and to the Current PE Description variable entry file.

c. The Program/Subprogram single entry file of the FYDP System is retained unchanged as are its links to the FYDP Base and Cost Factors variable entry files. A link is established by Program/Subprogram to the Current PE Description variable entry file.

d. A DPPC single entry file which includes all current DPPC codes and titles is established. It is linked to the Current PE Description variable entry file by DPPC code. This file provides a look-up source of DPPC titles and is available for use in validity edits of DPPC codes.

e. The Current PE Description variable entry file contains a set of coded records for each current, tentative, projected, and historical PE. It is linked to the PE, the RIC, the PSP, the DPPC, and MBC single entry files. This file includes, in addition to the above linkages, the PE title and its abbreviation, the applicable authorities for change such as Program Change Decision (PCD) numbers and dates, authorized content, specific exclusions from content, source of resources, disposition of resources, and various control dates (effective, termination, last changed, etc.).

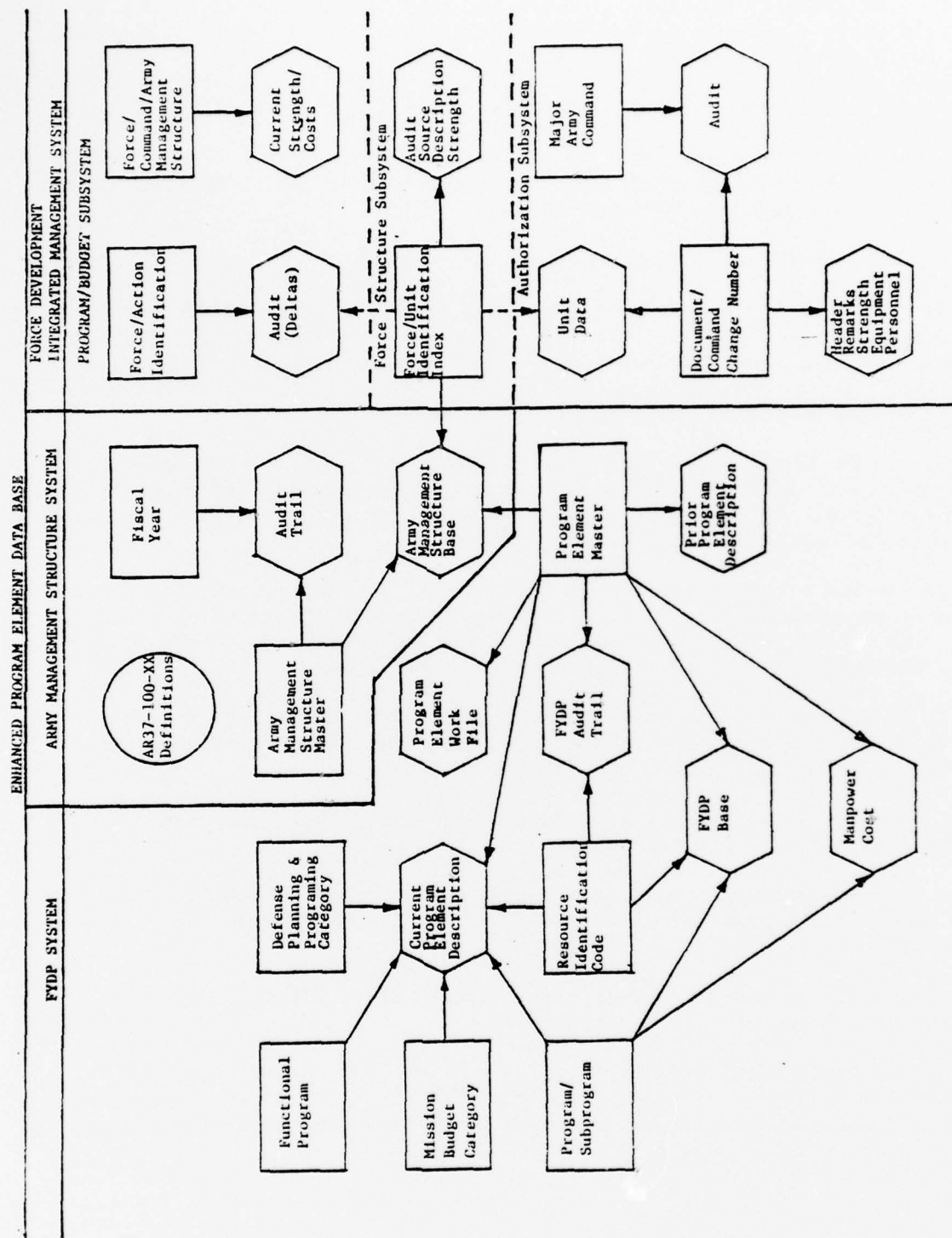


Figure 2-01. Enhanced PE Data Base

f. The Prior PE Description variable entry file is linked to the PE single entry file. It contains data from which may be constructed an audit trail of PE definitions over time. In addition to the kinds of information provided by the Current PE Description file, it contains titles for DPPC, FP, RIC, PSP, and MBC which were related to the PE at the time it was last changed.

g. The AMSCO single entry file is retained unchanged as are its links to its Audit and Base record variable entry files.

h. The AMSCO Base variable entry file is retained as is its link to the AMSCO Master single entry file. New linkages are established between this file and the Force Structure Subsystem Force/Unit Identification Index and PE Master single entry files. Establishment of the linkage to the PE Master single entry file obviates the need to carry PSP and DPPC in this file. Linkage to the Force/Unit Identification Index facilitates maintenance of the authorized unit content for each PE.

i. An FP single entry file which includes all current FP codes and titles is established. It is linked to the Current PE Description variable entry file by FP code. This file provides a look-up source of FP titles and is available for use in validity edits of FP codes.

j. An MBC single entry file which includes all current MBC codes and titles is established. It is linked to the Current PE Description variable entry file by MBC code. This file provides a look-up source of MBC titles and is available for use in validity edits of MBC codes.

k. A PE Work file is established linked to the PE Master file to provide a means of proposing changes to the Current PE Description without actually changing the Current PE Description file.

2.4.1 Summary of Improvements. The enhanced PE data base features the following significant improvements:

a. Cross-walks are established among the key Army management languages which facilitate communication between the FYDP System and the Force Structure Subsystem.

b. Means are provided to edit the AMSCOs, UICs, DPPCs, RICs, MBCs, FPs, and PSPs which relate to specific PE.

c. An audit trail of PEs, their definitions and their relationship to other Army management languages is provided; it will materially enhance the ability of managers to rationalize historical resource levels as they relate to current and programed resource levels.



d. The amount of effort required to produce and maintain current Army PE definitions is reduced.

e. The capability to prepare the Army Program Element Codes and Definitions Handbook by automated means significantly improves the ability of Army resource managers to identify and maintain the consistency between AMSCO and PE definitions.

2.4.2 Summary of Impacts. Implementation of the enhanced PE data base can have significant impact on the existing equipment, software, organizational, and operational environments. The user continues to use existing capabilities and is, therefore, not impacted during development of this system.

2.4.2.1 Equipment Impacts. Equipment presently installed may be used to operate this system.

2.4.2.2 Software Impacts. Even though the enhanced PE data base is being established using the TOTAL DBMS and most of the systems with which it interfaces are also under TOTAL, applications programs may require significant modification. For example:

a. Systems which generate PE, DPPC, and PSP from the AMSCO Base must be modified to obtain these data elements through linkages.

b. Systems which carry DPPC and PSP require evaluation regarding the desirability of continuing to carry those data elements.

c. Applications software is required to produce an automated Program Element Definitions Handbook.

2.4.2.3 Organizational Impacts. The responsibilities inherent in the establishment and maintenance of the enhanced PE data base fall within the purview of the existing organizational structure. Existing staffing should be adequate.

2.4.2.4 Operational Impacts. Implementation of the enhanced PE data base does not require special staff or computer operations center procedures. The relationships between the DA Staff and USAMSSA activities remain fundamentally unchanged. The enhanced PE data base is normally updated by PAED on-line, based on cathode ray tube (CRT) inputs with back-up update in a batch processing mode. It is also accessible in a read-only mode by CRT remote access devices located throughout the DA staff.

2.4.2.5 Development Impacts. The data base may be constructed from the information developed under Contract NO. MDA903-76-C-0175 Modification NO. P00005, item no. 0002AM. Approximately 20 technical man-months of effort

are required to prepare users, computer operation, and program maintenance manuals; to code, test, debug, and implement system software; and to initialize and debug the enhanced PE data base. No exceptional levels of manning or computer time are required for parallel operation of the new and existing systems.

2.5 Assumptions and Constraints. The fundamental assumptions and constraints which affect the development of an enhanced PE data base are as follows:

- a. Careful and complete coordination is required to assure that all systems which use the existing data bases are prepared for coincident turn-key operation of the new data base.
- b. The system must provide capabilities equal to or better than those available in existing systems.
- c. The system must be developed under the TOTAL DBMS.
- d. Existing hardware and equipment is to be used.
- e. The office of primary responsibility for the system is PAED.
- f. The system must be operated on the USAMSSA computers.

### SECTION 3. DETAILED CHARACTERISTICS

3.1 Specific Performance Requirements. The functional requirements stated below must be satisfied by the enhanced PE data base. Means must be provided:

a. To record and maintain all current, projected, historical, tentative, and cancelled PEs and their status in the data base.

b. To assure that only valid PEs may be entered in the FYDP Base, Audit Trail, and Manpower Cost files and in the AMSCO Base Record file.

c. To maintain the associations of each PE with:

- AMSCO                      ● PSP
- DPPC                      ● RIC
- FP                        ● UIC
- MBC

d. To record the definition of each current, projected, historical, and tentative PE in terms of title, change authorities, and dates, and included and excluded resources as specified in the DOD FYDP Codes and Definitions Handbook (DOD 7045.7-H).

e. To extend the basic definitions of each current, projected, historical, and tentative PE to facilitate their use by the DA staff by adding the following information:

- |                            |         |
|----------------------------|---------|
| ● Source of resources      | ● DPPC  |
| ● Disposition of resources | ● PSP   |
| ● Effective date           | ● RIC   |
| ● Termination date         | ● MBC   |
| ● Date last changed        | ● FP    |
| ● Publication date         | ● AMSCO |

f. To record all prior definitions for each current, projected, tentative, historical, and cancelled PE including, in addition to the items in paragraphs 3.1d and 3.1e above:

- DPPC Title      ● MBC Title
- RIC Title        ● FP Title

g. To assure that at least one valid AMSCO exists on the AMSCO Master File for each current, projected, tentative, historical, and cancelled PE.

h. To assure that each record on the AMSCO Base Record file relates to a valid PE.

i. To track resources in the FYDP System, FORDIMS, and other emergent HQDA MIS by:

- AMSCO            ● PE
- DPPC            ● PSP
- FP               ● RIC
- MBC             ● UIC

j. To access the data base by on-line CRT and display at the CRT, or optionally on a page printer, the information in Figure 3-01:

DISPLAY	ENTER									
	A	M	D				P			
	S	P			M	O	C			
	C	P	F	B	D	S	P	R	U	
	O	C	P	C	E	P	C	C	C	
AMSCO										
AMSCO and Title	X									
All Associated AMSCOs		X	X	X	X	X	X		X	
All Associated AMSCOs and Titles		X	X	X	X	X	X		X	
DPPC and Title	X	X				X				
FP and Title	X		X			X				
MBC and Title	X			X	X					
PE Code	X									
PE Code and Title	X					X				
All Associated PE Codes		X	X	X			X	X	X	
All Associated PE Codes and Titles		X	X	X			X	X	X	
Current PE Description	X					X				
Prior PE Description	X					X				
PSP and Title	X					X	X			
RIC and Title	X								X	
All Associated RICs	X					X				
All Associated RICs and Titles	X					X				
All Associated UICs	X					X				

Figure 3-01. Data Displays Required

PROGRAM ELEMENT DEFINITION		ELEMENT CODE																																																																											
		22611A																																																																											
TITLE:		Authority:      Date:																																																																											
Divisions		PCD X-6-004    22 Mar 76																																																																											
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Figure 3-02. Program Element Definition



**ELEMENT CODE****TITLE**

## Divisions

**Authority:**

Date:

**DESCRIPTION**

**INCLUDES**

AMSCOs :

202611.00000 Divisions

202611.10000 Airborne

202611.20000 Armored

202611.30000 Infantry

202611.40000 Mechanized

202611.50000 Airborne (Air Assault)

SUBPROGRAM: None

EXCLUDES: Nonorganic TOE supporting units

TDA units and TDA augmentation to TOE units (PE 2269XA)

Brigade 75/76 units and 1st I.D. Forward (PE 22311A)

Figure 3-02. Program Element Definition (Continued)

k. To periodically produce in microform, hard-copy, and on-line recursively browsable form standard current PE definitions in the format shown in Figure 3-02.

3.1.1 Accuracy and Validity. To the maximum extent possible, all data entering the system are subject to syntax, validity, and association edits. All add transactions are fully edited. All change transactions are subject to syntax and validity edits upon entry. Further, at the time the change transactions are applied to the master files the resultant master file records are fully edited. Delete transactions are edited to determine that the appropriate master records exist.

3.1.2 Timing. Input of transaction data to the edit and file maintenance functions is under the control of the IBM Time Sharing Option (TSO). Input is made via CRT directly to disk input files. Transactions which pass or fail the edit criteria are written, along with appropriate messages, to disk output files which are directly accessible by CRT. Transactions which fail the edits are corrected via CRT and re-input for processing. The edit and file maintenance functions are also fully operable in a batch processing mode. When the volume of input transactions is sufficiently large to warrant or when hard-copy is required for other purposes, the CRT operator may specify printing of hard-copy at a designated page writer or at the central site. The system timing requirements are as follows:

- a. Query response to CRT is required in 10 seconds or less.
- b. The results of edit and file maintenance processing initiated via CRT must be returned to the appropriate output files in 15 seconds or less.
- c. Priority edit and update processing results initiated in a batch processing mode must be available in 30 minutes or less.
- d. Routine edit and update processing results initiated in a batch processing mode must be available before the start of the next duty day.
- e. The sequential requirements of the TOTAL DBMS for adding and deleting records in single and variable entry files apply.
- f. Files being updated are locked against concurrent read and write.
- g. Files not being updated are available for simultaneous use by multiple applications.
- h. A mailbox capability is required to notify all users of the system of all changes made to the data base so that they may keep their systems synchronized with the PE data base.

3.2 System Functions. The system functions described below are necessary to satisfy the specific functional performance requirements described in paragraph 3.1 above.

a. A single entry PE master file is established which includes the PE code and a status indicator for each current, projected, tentative, cancelled, and historical PE.

b. The PE master single entry file is linked to the variable entry FYDP Audit Trail, Base, and Manpower Cost files, and the AMSCO Base Record files by PE code. Since under the TOTAL DBMS variable entry file records which are linked by data element to a single entry file can only exist if a corresponding record exists on the single entry file, this linkage assures that only valid PE codes are contained in these files.

c. The associations of each PE with DPPC, PSP, RIC, MBC, FP, AMSCOs, and UICs are determined by means of forward and reverse chaining from the single entry PE, RIC, PSP, FP, DPPC, AMSCO, and UIC master files through the variable entry files to which they are linked. For example, the UICs associated with a PE are determined by chaining forward by PE code from the PE master single entry file through the AMSCO Base Record variable entry file and then chaining in reverse to the Force/Unit Identification Index single entry file. Similarly, to determine the unit content of a PSP, chain forward from the PSP single entry file by PSP to the FYDP Base variable entry file, thence by PE code to the PE Master single entry file, forward again through the AMSCO Base Record variable entry file and, finally, reverse chaining by AMSCOs to the Force/Unit Identification Index single entry file.

d. The Current PE Description variable entry file provides the capability to record precise PE definitions in the terms cited in paragraph 3.1.d above. Through its links with the PE, DPPC, PSP, RIC, MBC, and FP single entry files and provision for the other required information, it also provides the capability to present an extended PE description as described in paragraphs 3.1.e and 3.1.k above.

e. The Prior PE Description variable entry file is the repository for all earlier versions of current, projected, tentative, historical, and cancelled PE descriptions. When any element of the extended PE definition described in paragraphs 3.1.d and 3.1.e above is changed, a copy of the PE definition as it existed prior to application of the change is written to the Prior PE Description variable entry file before the change is applied in the Current PE Description variable entry file. When a PE is cancelled, the final changes are applied in the Current PE Description file; a copy of the description as it exists after the final change is applied is sent to the Prior PE Description file, and all related records are deleted from the Current PE Description file. Each time a PE definition is written to the Prior PE Description file, the appropriate PSP, MBC, FP, DPPC, and RIC titles are obtained from their respective single entry files. The mailbox entries discussed in paragraph 3.1.2.h above are derived from transactions which update the Prior PE Description variable entry file.

f. Linkage of each record on the PE Master single entry file to one or more records on the AMSCO Base Record variable entry file assures that a valid AMSCO exists on the AMSCO Master single entry file for each current, projected, tentative, historical, and cancelled PE. It also assures that each record on the AMSCO Base Record file relates to a valid PE.



g. The totality of the file linkages described above makes it possible to query and display the information cited in paragraph 3.1.j, to produce an automated Program Element Definitions Handbook in the format specified in paragraph 3.1.k and Figure 3-02, and to track resources in the FYDP, FORDIMS, and other HQDA MIS by:

- |        |         |
|--------|---------|
| ● DPPC | ● FP    |
| ● PSP  | ● AMSCO |
| ● RIC  | ● UIC   |
| ● MBC  | ● PE    |

### 3.3 Inputs-Outputs.

#### 3.3.1 PE Master File.

3.3.1.1 Inputs. Input transactions are subjected to specific edits to assure that acceptable data exists prior to updating the data base. The edits performed vary depending upon the transaction type. Transactions which pass the edits are processed to update the data base. The results of edit and update processing are reported to the user by return messages to the CRT or page printer optionally with default to central site. Transactions input by CRT which are rejected as in error are returned to the originator for correction and re-entry.

3.3.1.1.1 Delete transactions are used to remove a PE record from the PE Master file. A delete transaction is only accepted if all related records on the Current PE Description, Prior PE Description, PE Work, AMSCO Base Record, FYDP Audit Trail, FYDP Base, and Manpower Cost variable entry files have been removed from those files. In addition, the PE code must exist on the data base.

3.3.1.1.2 Add transactions are used to place new records on the PE Master file. New PE codes must be added to the PE Master file before they can be used in the AMSCO Base Record, Current PE Description, PE Work, FYDP Audit Trail, FYDP Base, Manpower Cost, and Prior PE Description files. Also, the PE code must not exist on the data base.

3.3.1.1.3 Change transactions are only used to modify the status of a PE code. Change transactions may not be used to modify a PE code. The PE code must exist on the data base for a change transaction to be accepted.

3.3.1.2 Outputs. The results of attempts to update the PE Master file are returned to the originating CRT unless page printer was specified or the output defaults to the central site. In all cases, the record image input is returned along with appropriate error messages.

### 3.3.2 RIC Master file.

3.3.2.1 Inputs. Input transactions are subjected to specific edits to assure that acceptable data exists prior to updating the data base. The edits performed vary depending upon the transaction type. Transactions which pass the edits are processed to update the data base. The results of edit and update processing are reported to the user by return messages to the CRT or page printer optionally with default to central site. Transactions input by CRT which are rejected as in error are returned to the originator for correction and reentry. It should be noted here that RIC Master file input transactions which change RIC titles and record types also result in system-generated input transactions to the Current PE Description variable entry file. These transactions cause a copy of the Current PE Description to be written to the Prior PE Description file with the RIC title as it existed prior to application of the change.

3.3.2.1.1 Delete transactions are used to remove RIC records from the RIC Master file. A delete transaction is accepted only if all related records on the Current PE Description, FYDP Audit Trail, FYDP Base, and Manpower Cost variable entry files have been removed from those files. In addition, the RIC must exist on the data base.

3.3.2.1.2 Add transactions are used to place new records on the RIC Master file. New RICs must be added to the RIC Master file before they can be used on the Current PE Description, FYDP Audit Trail, FYDP Base, and Manpower Cost variable entry files. For add transactions to be accepted, the RIC must not exist on the RIC Master file.

3.3.2.1.3 Change transactions are used to modify RIC title, status, and record type. Change transactions may not be used to modify a RIC nor may they be used to change historical or cancelled RIC titles and record types. When the desired action is to modify the RIC itself, a set of delete and add transactions must be used. The RIC on the input transaction must exist on the RIC Master file. If the status of a RIC is changed to historical or cancelled, it is assumed that the RIC can no longer be associated with current PE descriptions. Therefore, the system generates transactions to the Current PE Description file to effect the action in that file. If the status code is changed from cancelled or historical to current, it is assumed that the RIC is being reactivated and the status code on the RIC Master file is made current.

3.3.2.2 Outputs. The results of attempts to update the RIC Master file are returned to the originating CRT unless page printer was specified or the output defaults to the central site. In all cases, the record image input is returned along with applicable error messages.

3.3.3 The PSP Master file is rarely changed. Its primary function is to serve as a convenient means of aggregating resources by program and sub-program and to provide program and subprogram titles as required for reports generation. In linking records in the Current PE Description, FYDP Base and Manpower Cost variable entry files, the first character of the PSP code must equal the first character of the PE code.

3.3.3.1 Inputs. Input transactions are entered by CRT for subsequent update in a batch processing mode.

3.3.3.2 Outputs. A list of authorized codes and titles.

3.3.4 The MBC Master file is established to provide a convenient means of aggregating resources by MBC to meet requirements of Section 601 of the Congressional Budget Act of 1974. The MBC Master file also provides a convenient table look-up capability from which to obtain MBC titles for the Current PE Description file.

3.3.4.1 Inputs. Input transactions are subjected to edits to assure that the data presented for update is acceptable. The edits vary according to transaction type. The results of edit and update processing are reported to the user by return messages to the originating CRT or page printer optionally with default to the central site.

3.3.4.1.1 Delete transactions are used to remove records from the MBC Master file. A delete transaction is accepted only if it exists on the data base, and no records on the Current PE Description file are linked to the MBC code being deleted.

3.3.4.1.2 Add transactions are used to place a new MBC on the MBC Master file. The MBC on the input transaction must not exist on the data base.

3.3.4.1.3 Change transactions are used to alter current MBC titles and to change the status of current and historical MBCs. Transactions which modify the title of a current MBC also result in system generated transactions to the Current PE Description Master which cause a copy of the Current PE Description with the old MBC title to be written to the Prior PE Description Master. Transactions which change the status of a current MBC to historical or cancelled result in similar system generated transactions but, in addition, cause the MBC code to be removed from the Current PE Description Master prior to update of the MBC Master. Historical MBC titles may not be changed.

3.3.4.2 Outputs. The results from attempts to update the MBC Master file are returned to the originator's CRT unless page writer was specified or the output defaults to central site. In all cases, the record image input is returned along with appropriate error messages.

3.3.5 The FP Master file is rarely changed. Its primary function is to provide a convenient means of aggregating resources by functional program. It also provides a source of functional program titles as required for reports generation.

3.3.5.1 Inputs. Input transactions are entered by CRT for subsequent update in a batch processing mode.

3.3.5.2 Outputs. A list of authorized titles and codes.

3.3.6 The DPPC Master File is established and maintained to provide a convenient means of aggregating resources by DPPC as required by the current DOD instructions such as those for reporting resources in the Program Objective Memorandum and the Defense Manpower Requirements Report. In addition, where necessary to facilitate internal DA staff management purposes, the DPPC is shredded out into subcategories. Although not specified by DOD, the DA staff has established a meaningful DPPC code structure for the purpose of rolling up resources into successively higher levels of aggregation. Historically, each DOD issuance of authorized DPPCs has totally superseded its predecessor. Nevertheless, examination of the PEs which relate to specific DPPCs reveals that in a significant number of instances the DPPC title may be changed, but the PEs which relate to the new DPPC are the same as those which related to its predecessor. In defining the relationship of the DPPC Master to the Current PE Description file, account is taken of the fact that DPPCs are subject to both direct and indirect conversions in terms of PE content and DPPC titles.

3.3.6.1 Inputs. Input transactions are subject to edits to assure that data presented for update to the DPPC Master are acceptable. The edits vary according to transaction type. The results of edit and update processing are reported to the user by return messages to the originating CRT or optionally to a page printer with default to the central site.

3.3.6.1.1 Delete transactions are used to remove records from the DPPC Master file. A delete transaction is accepted only if no related records are contained on the Current PE Description file. The DPPC code must exist on the data base.

3.3.6.1.2 Add transactions are used to place new records on the DPPC Master file. The DPPC code must not already be on the DPPC Master.

3.3.6.1.3 Change transactions are used to modify DPPC Master file titles. The DPPC code must exist on the data base. The code itself may not be changed. Two types of change transactions are used.

- Direct conversion: The DPPC title is being changed, but the PE content remains the same. In this instance, system-generated transactions are sent to the Current PE Description file which cause the Prior PE Description file to be appropriately updated to capture the old DPPC title.



- Indirect conversion: When the PE content of a DPPC is being changed while the DPPC title may or may not be undergoing modification, indirect conversion actions are required in the following sequence. First, any totally new DPPC codes and titles are added to the DPPC Master. Second, an indirect conversion transaction is input, which causes the system to generate a transaction suitable for input to the Current PE Description file for each record which is related to the original DPPC. Third, those system-generated transactions which relate to a new DPPC title and code are changed to reflect the new DPPC code, and the system captures and writes the old DPPC title and code to the Prior PE Description file. Finally, if the DPPC title of the original DPPC code is being changed, a direct conversion transaction is input to the DPPC Master file to effect the action and to cause the system to generate the appropriate transactions to the Prior PE Description file.

3.3.6.2 Outputs. The results of attempts to update the DPPC Master file are returned to the originator's CRT unless page writer was specified or the output defaults to central site. In all cases, the record image input is returned along with applicable error messages.

3.3.7 The Current PE Description File contains one set of coded records for each current, historical, projected, and tentative PE. With its links to the PE Master, RIC Master, PSP Master, MBC Master, and FP Master single entry files and with its own integral data, it provides an automated means of presenting to users of the system a comprehensive definition of each current, historical, tentative, and projected PE. The Current PE Description file contains the coded record sets below. Base data is Record Code and PE Code. Redefine data by Record Code is as follows:

- AA-PE title, line number, and effective, through, publication, and change dates.
- AB-Authority and line number.
- AC-PE title abbreviation and DPPC, MBC, PSP, and FP.
- AD-PE inclusions and line number.
- AE-PE exclusions and line number.
- AF-Point of contact.
- AG-Source of resources and line number.
- AH-Disposition of resources and line number.
- AI-RIC and line number.

Other data which is required to complete the expanded PE Definition discussed earlier such as DPPC, MBC, RIC, PSP, and FP titles and AMSCOs and their titles are obtained when needed from their respective single and variable entry files. In this connection it must be noted that changes to the DPPC, MBC, RIC, PSP, and FP files also result in system-generated transactions, which cause a copy of the Current PE Description for each PE affected to be written to the Prior PE Description file including the titles applicable to all those related codes as they existed immediately prior to the most recent change.

3.3.7.1 Inputs. Current PE Description file input is created within the PE Work file rather than by directly applied modifications to the Current PE Description file. This procedure is used to accommodate the changes which occur during the PE definition coordination and approval process. It also provides the mechanism for capturing the PE description as it existed prior to application of changes. Further, it reduces the chances for erroneous input by providing at the CRT a display of the record(s) being changed in a medium whereby modifications may be accomplished by simply over-writing data elements.

3.3.7.1.1 The PE Work file routine is activated by calling the PE Work file option. The system responds by requesting entry of the PE code of the PE description to be added, changed, or deleted. Only one coded record set may exist for each current, historical, projected, and tentative PE on the Current PE Description and PE Work files respectively. Therefore, upon receipt of a valid PE code, the system first checks to determine if a PE Description record set already exists for that PE code on the PE Work file. If a record set does exist, then any modifications are made against that record set. If a record set does not exist on the PE Work file for the PE code entered, then the Current PE Description is searched for an appropriate record set. If one is found, it is copied to the PE Work file for use in making modifications. If no coded record set exists on either the PE Work file or the Current PE Description, then a complete record set must be added to the PE Work file and subsequently added to the Current PE Description file. Changes to the PE Work file and Current PE Description file are accomplished through the use of PE Work file function codes and Current PE Description action file maintenance codes. The PE Work file function describes whether the input transaction is intended to add, change, or delete a record or records in the PE Work file. The Current PE Description action file maintenance indicates if the input transaction is intended to add, change, or delete a record or records on the Current PE Description file. Figure 3-03 further explains the use of these codes.

If the PE Work File Function is:	and the Action File Maintenance is:	then the action
Add	Add	adds a record to the PE Work file that proposes addition of a new record to the Current PE Description.
	Change	adds a record to the PE Work file that proposes the change of an existing Current PE Description file record.
	Delete	adds a record to the PE Work file that proposes deletion of an existing Current PE Description file record.
Change		changes an existing PE Work file record.
Delete		deletes an existing PE Work file record.

Figure 3-03. Uses of PE Work File and Action File Maintenance Codes

3.3.7.1.2 Input transactions are subjected to edits to assure that the data presented to update the Current PE Description are acceptable. The edits vary according to PE Work file function, action file maintenance, and coded record type. The results of edit and update processing are reported to the user by return messages to the originating CRT or optionally to a page printer with default to the central site.

3.3.7.1.2.1 The delete PE Work file function is used to remove records from the PE Work file which have been previously input as proposed action file maintenance deletions, additions, or changes to the Current PE Description file. The following rules apply:

- Action file maintenance must be blank.
- The PE code must be on the PE Master with status unequal to cancelled.
- PE Work file begin line number must be numeric less than or equal to the PE Work file through line number. Entry of a blank PE Work file line number on a record code "AA" input transaction causes the entire set of coded records to be deleted from PE Work file.
- PE Work file through line number must either be blank or numeric and greater than or equal to the PE Work file begin line number.
- The PE code, record code, and PE Work file begin and through line numbers must match records on the PE Work file.

3.3.7.1.2.2 The add PE Work file function is used to place new records on the PE Work file which propose that records be added, changed, or deleted on the Current PE Description file. The add function is used in conjunction with the add action file maintenance code when it is necessary to fully describe on the input transactions a record or records proposed for addition to the Current PE Description file. The add function is used in conjunction with the change action file maintenance code when a record which exists on the Current PE Description file is proposed to have one or more data elements changed. Only the information required to identify the specific record from among those system generated to the PE Work file from the Current PE Description and the data items to be changed need be cited on the input transaction. The change action file maintenance causes a copy of the system-generated record to be made with an action file maintenance code equal to change which incorporates the proposed changes. The original system-generated copy of the Current PE Description record is retained on the PE Work file. The add PE Work file function is used in conjunction with the delete action file maintenance when it is proposed that a record on the Current PE Description be deleted. Only the information required to identify the specific record to be deleted from those generated to the PE Work file from the Current PE Description need be cited on the input transaction. The delete action file maintenance causes a copy of the system-generated record to be made with an action file maintenance equal to delete. The original system generated copy of the Current PE Description record is retained on the PE Work file. The following rules apply:

- The delete action file maintenance can only be used to address records which were system generated to the PE Work file which have an action file maintenance code equal to blank.
- The PE code must be on the PE Master file with status unequal to cancelled.
- PE Work file begin line number must be numeric.



- PE Work file through line number must be blank if record code equals "AC" or "AF".
- Deletion of the first AA-PE Title PE Work file record results in deletion of all records in the set.
- AC-PE title abbreviation records may only be deleted by AA-PE Title action file maintenance delete transactions.
- AD-PE inclusions records may be deleted individually or over a range of PE Work file line numbers subject to the restriction that at least one record must remain after all deletions are accomplished. The residual record may only be deleted by an AA-PE title action file maintenance delete transaction.
- AE-PE exclusions records may be deleted subject to the same rules as PE inclusions.
- AF-Point of contact records may only be deleted by AA-PE title action file maintenance delete transactions.
- AG-Source of resources records may be deleted individually or over a range of PE Work file line numbers subject to the same restrictions as AD-PE inclusions records.
- AH-Disposition of resources records may be deleted individually or over a range of PE Work file line numbers subject to the same restrictions as AD-PE inclusion records.
- AI-RIC records may be deleted subject to the same rules as AD-PE inclusion records.
- If action file maintenance is equal to add and a system-generated coded record set does not exist on the PE Work file, then at least one record of each coded record type must be input as a complete coded record set. The following rules apply:
  - The PE code must be on the PE Master file with status unequal to cancelled.
  - PE Work file begin line number must be numeric. For record codes which may contain more than record, the PE Work file begin line numbers must be entered sequentially.
  - Line number must be blank.
  - AA-PE title records.

- ... Six records are sufficient to describe PE title.
- ... PE title begins with a non-blank character.
- ... Effective date must be numeric in form of YYMMDD. "999999" is used to indicate that the PE is effective all years. Effective date must be blank on PE-title continuation records.
- ... Through date must be numeric in the form of YYMMDD. "999999" is used to indicate an infinite expiration date. Through date must be blank on PE-title continuation records.
- AB-Authority records.
  - ... Nine records are sufficient to describe authority.
  - ... At least one Authority record must be entered.
  - ... Authority number must be entered in the form of X-N-NNNA.
  - ... Authority date must be entered in the form DD MMM YY.
- AC-PE title abbreviation records.
  - ... Only one PE title abbreviation record is required.
  - ... PE title abbreviation must begin with a non-blank.
  - ... DPPC must be four alphanumeric or blank characters left justified beginning with a non-blank character. Imbedded blanks are not permitted. The DPPC must be on the DPPC master file.
  - ... MBC must be four numeric characters, the right most of which is "1", "2", or "3", and on the MBC Master file.
  - ... FP must be entered and on the FP Master file.
  - ... PSP must be numeric in the first position and blank or alpha in the second position. The PSP must be on the PSP Master file.
- AD-PE inclusions records.
  - ... Up to 99 records may be required to describe PE inclusions.
  - ... PE exclusions must begin with a non-blank.
- AE-PE exclusions records are subject to the same rules as AD-PE inclusions records.

- AF-Point of contact records.
  - ... One point of contact record is required.
  - ... Point of contact must begin with a non-blank character.
- AG-Source of resources records.
  - ... Up to nine records may be required to describe source of resources.
  - ... Source of resources must begin with a non-blank character.
- AH-Disposition of resources records are subject to the same rules as AG-Source of resources records.
- AI-RIC records.
  - ... Up to 99 RIC records may be required.
  - ... RIC consists of four numeric characters. The RIC must be on the RIC Master file.
- If action file maintenance is equal to add and a system-generated coded record set exists on the PE Work file:
  - AA-PE title records may be inserted between or appended to existing records by respectively citing a PE Work file line number which falls between two existing line numbers or one greater than the highest existing line number, provided that the total number of records after the input transactions have been added does not exceed six. In addition,
    - ... PE title must begin with a non-blank.
    - ... Effective date must be blank.
    - ... Through date must be blank.
  - AB-Authority records may be inserted between or appended to existing records according to the same rules as AA-PE title records except that the maximum number of resultant records is nine.
  - AC-PE title abbreviation records may not be added.
  - AD-PE inclusion records may be inserted between or appended to existing records according to the same rules as AA-PE title records except that the maximum number of resultant records is 99.

- AE-PE exclusion records are subject to the same rules as AD-PE inclusion records.
- AF-Point of contact records may not be added.
- AG-Source of resources records are subject to the same rules as AA-PE title records except that the maximum number of resultant records is nine.
- AH-Disposition of resources records are subject to the same rules as AA-PE title records except that the maximum number of resultant records is nine.
- AI-RIC records are subject to the same rules as AA-PE title records except that the maximum number of records is 99.
- The change action file maintenance may only be applied against system generated coded record sets which exist on the PE Work file which contain an action file maintenance of blank, change, or delete. Information, except for control data elements, may be changed by simply overwriting the appropriate fields on the records. Blank characters may not be entered in effective date, through date, MBC, FP, and RIC.

3.3.7.1.2.3 The change PE Work file function is used to modify records previously added to the PE Work file which have action file maintenance equal to add or change. As with the delete PE function, the action file maintenance may not be modified. The following rules apply to:

- All record types.
  - Record type must be equal to "AA", "AB", "AC", "AD", "AE", "AF", "AG", "AH", or "AI".
  - Action file maintenance must be equal to blank.
  - The PE code must be on the PE Master file with status not equal to cancelled.
  - The PE Work file begin line number must be numeric.
  - The PE Work file through line number must be equal to blank.
  - The line number must be equal to blank.
  - Revision to all other fields is accomplished by overwriting the appropriate fields in accordance with the rules for the record type being addressed.

- AA-PE title records.
  - PE title must begin with a non-blank character.
  - Effective date must be numeric in the form of YYMMDD.
  - Through date must be numeric in the form of YYMMDD.
- AB-Authority records.
  - The three character Authority code must be entered.
  - The Authority number is entered in the form X-N-NNNA.
  - The Authority date is entered in the form DD MMM YY.
- AC-PE Title abbreviation records.
  - PE title abbreviation must begin with a non-blank character.
  - DPPC is entered as alphanumeric characters, left justified with trailing blanks. Imbedded blanks are not authorized. The DPPC must appear on the DPPC master file.
  - MBC must be numeric and must be reflected on the MBC Master.
  - FP is entered and must be present on the FP Master.
  - PSP must be numeric in the first position and must be blank or alpha in the second position. The PSP entered must be on the PSP Master.
- AD-PE Inclusions, AE-PE Exclusions, AF-Point of Contact, AG-Source of Resources, and AH-Disposition of Resources fields subject to modification must all begin with a non-blank character.
- AI-RIC records-RIC must be numeric, and the RIC must reside on the RIC Master.

3.3.7.2 Outputs. Results from attempts to update the Current PE Description via the PE Work file routine are returned to the originator's CRT unless page writer is specified or the output defaults to the central site. In all cases the record image input is returned along with appropriate error messages.



3.3.8 The Prior PE Description File is established to provide a repository of all earlier definitions of each current, projected, tentative, historical, and cancelled PE. It contains a coded record set for each PE definition as it existed at any point in time prior to application of changes. In addition to the coded records contained in the Current PE Description, it contains DPPC, MBC, PSP, FP, and RIC title records to form a comprehensive repository of prior PE definitions.

3.3.8.1 Inputs are received from the PE Work file routine in the form of the system-generated coded records sets as they existed prior to application of changes and deletions. No edits are performed prior to addition of the record sets in the Prior PE Description file.

3.3.8.2 Outputs are in the form of preformatted displays at a requestor's CRT, on a page printer, or hard copy from central site. The selection criteria for review of prior PE descriptions are limited to PE code or PE code and change date. Users of the PE data base are notified of mailbox items entered since they last accessed the data base.

3.3.9 System/User Dialogue. Examples of system/user dialogue are in Appendix C.

3.4 Data Characteristics. This section identifies the data items and elements used in the Enhanced PE Data Base. It also includes descriptions of the files which comprise the Enhanced PE Data Base in terms of data element content and numbers of records.

3.4.1 Data elements are described in Appendix D as follows:

- MNEMONIC-A five character data item/element name.
- DESCRIPTION-A brief definition of the data item/element.
- LENGTH-The maximum number of characters which comprise the element/item.
- TYPE-The alphabetic and numeric characteristics of the data element/item.

A-Alphabetic.

N-Numeric.

A/N-Alphanumeric.

3.4.2 Record formats used in the system are described in Appendix E for each file.

3.4.3 The File Size, number of records, upon initialization and estimated annual growth are shown in the following table.

<u>File</u>	<u>Initial Records</u>	<u>Characters</u>	<u>Growth</u>
PE Master	758	5,306	8%
RIC Master	175	7,525	2%
PSP Master	18	684	-
MBC Master	25	1,025	-
FP Master	8	304	-
DPPC Master	52	2,080	-
Current PE Description	20,890	1,712,980	8%
PE Work File	1,671	143,706	-
Prior PE Description	1,671	137,022	8%
		<hr/>	
		2,010,632	

3.4.4 Storage Media. Each of the files named in paragraph 3.4.3 above is resident on rapid access disk storage devices except for data on the Prior PE Description file which is more than five years old. At the end of each year, data on the Prior PE Description file with a change date greater than or equal to five years prior to the first day of the current fiscal year are retired to a magnetic-tape historical file.

3.5 Failure Contingencies. The enhanced PE data base requirements must be met in the event of possible failures of the hardware or software system.

a. Back-up. The primary devices for satisfying system requirements are CRTs and system card reader and line printers. The CRTs serve as input devices for updating files and as output devices in displaying file contents, error, messages, etc. Batch processing programs which are not CRT dependent are used to assure file updating and output of required information in the event of CRT or communication failure. In that event, a card reader serves as the input device, and the off-line printer serves as the output device for generating reports. All disk files are backed up by magnetic tape files.

b. Fallback. In the event of total computer failure for an extended period of time, the most recent microform of hard copy reports and type-written PE descriptions are used as a source of current PE descriptions and other data codes and to prepare changes to existing PE descriptions. Each change to a PE definition manually prepared is carefully documented for later entry into the system when the computer is again operational.

c. Restart. In the event of a temporary system interrupt or software malfunction, restart is accomplished by requesting reexecution from the point in the job stream immediately prior to the job which failed.

## SECTION 4. ENVIRONMENT

4.1 Equipment Environment. The enhanced PE data base is operated on the USAMSSA computer configuration using direct access storage devices and current USAMSSA telecommunications packages. Most input to the system is made using on-line secure CRTs. All programs are fully executable in a batch processing mode. Output reports are produced both on-line and off-line.

4.2 Support Software Environment. The enhanced PE data base is established and maintained under the TOTAL DBMS. In-house software packages are used to the maximum practicable extent. The system is programed using ADP programing languages appropriate to the application.

4.3 Interfaces. The enhanced PE data base provides the single authoritative source. As such, its interfaces are those specified under TOTAL or applications software by systems which need PE data. All data transfers are accomplished in an automated mode.

4.4 Security and Privacy. The FYDP Base, Manpower Cost, and Audit Trail files are classified CONFIDENTIAL. All other files within the enhanced PE data base are unclassified. There are no personal data contained in the enhanced PE data base. Consequently, privacy restrictions are not applicable to the system.

SECTION 5. NOT APPLICABLE



## SECTION 6. SYSTEM DEVELOPMENT PLAN

6.1 Documentation. The following documentation is required:

- Functional Description
- Data Requirements Document
- User's Manual
- Computer Operation Manual
- Program Maintenance Manual
- Test Plan

6.2 Timing. A total of 20 technical man-months is required for preparation of the users, computer operation and program maintenance manuals, and the test plan to program, compile, test, and debug of the system and initialization of the data base.

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APPENDIX A

CONTRACT NO. MDA903-76-C-0175 MODIFICATION  
NO. P00005, ITEM NO. 0002AN

STANDARD FORM 30, JULY 1950 GENERAL SERVICES ADMINISTRATION REG. NO. REC. (41 CFR 101-11.6)		AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		PAGE 1 OF 4
1. AMENDMENT/MODIFICATION NO. <b>P00005</b>		2. EFFECTIVE DATE <b>78 Feb 01</b>		3. REQUESTION/PURCHASE REQUEST NO. <b>8525/906</b>
3. ISSUED BY <b>DEFENSE SUPPLY SERVICE-WASHINGTON Room 1D 245, The Pentagon Washington, D. C. 20310</b>		4. ADMINISTERED BY (// where these blank) <b>DCASMA Baltimore 300 East Joppa Road, Room 200 Towson, MD 21204</b>		
7. CONTRACTOR NAME AND ADDRESS  <b>General Research Corporation 7655 Old Springhouse Road McLean, VA 22101</b>		8. AMENDMENT OF SOLICITATION NO.  DATED _____ (See block 9)  <input checked="" type="checkbox"/> MODIFICATION OF CONTRACT/ORDER NO. <b>MDA903 76 C 017</b>  DATED <b>9 Dec 75</b> (See block 11)		
9. THIS BLOCK APPLIES ONLY TO AMENDMENTS OF SOLICITATIONS				
<input type="checkbox"/> The above numbered solicitation is amended as set forth in block 12. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation, or as amended, by one of the following methods: (a) By signing and returning _____ copies of this amendment. (b) By acknowledging receipt of this amendment on each copy of the offer submitted, or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE ISSUING OFFICE PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If, by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided such telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
10. ACCOUNTING AND APPROPRIATION DATA (// required)				
<b>A4 2182020 225010 P951212.90000-253400 S49092 OEA01 C5AB \$286,312 Increase</b>				
11. THIS BLOCK APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS				
(a) <input type="checkbox"/> This Change Order is issued pursuant to _____ The Changes set forth in block 12 are made to the above numbered contract/order. (b) <input type="checkbox"/> The above numbered contract/order is modified to reflect the administrative changes (such as changes in paying office, appropriation data, etc.) set forth in block 12. (c) <input checked="" type="checkbox"/> This Supplemental Agreement is entered into pursuant to authority of <b>10 U.S.C. 2304(a)(10)</b> . It modifies the above numbered contract as set forth in block 12.				
12. DESCRIPTION OF AMENDMENT/MODIFICATION				
The purpose of this modification is to add additional tasks to the contract in support of PROBE System Development.  FIRST: The following items are added to Article E-1:				
Item No.	Description	Amount		
0002AK	Amendments to 1st edition Army Programming and Budgeting Handbook	NSP		
0002AL	Army Programming and Budgeting Handbook, 2nd edition	NSP		
0002AM	Program Element Definition Handbook	NSP		
0002AN	Functional and Data Specification Report for Enhanced PE-DPPC Data Base	NSP		
Except as provided herein, all terms and conditions of the document referenced in block 8, as hereinafter changed, remain unchanged and in full force and effect.				
12. <input type="checkbox"/> CONTRACTOR/OFFEROR IS NOT REQUIRED TO SIGN THIS DOCUMENT. <input checked="" type="checkbox"/> CONTRACTOR/OFFEROR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN <b>1</b> COPIES TO ISSUING OFFICE.				
14. NAME OF CONTRACTOR/OFFEROR <b>GENERAL RESEARCH CORP.</b>		17. UNITED STATES OF AMERICA  <b>Jane D. Hensley</b> (Signature of Contracting Officer)		
15. NAME AND TITLE OF SIGNER (Type or print) <b>W. R. WINSTON Director of Contracts</b>		16. DATE SIGNED <b>3/31/78</b>		18. DATE SIGNED <b>31 MAR 78</b>

SECOND: The estimated cost, fixed fee, and total estimated cost-plus-fixed-fee in Article E-1 are changed to read: \$714,621; \$71,462; and \$786,083 respectively.

THIRD: The following is added as Article F-2.F:

F-2.F. In addition to the above tasks, and except as otherwise provided in this contract, the Contractor shall perform the below listed tasks generally in accordance with Tasks 1-3 set forth in Contractor's Proposal No. OP-8746 dated 29 November 1977.

Task 1 --

Maintain the Army Programing and Budgeting Handbook. Write, illustrate, edit, and, as discrete amendments are completed, deliver the number of copies of the handbook change (0002AK) specified in F-3.A. Develop the Army Programing and Budgeting Handbook (2d Edition) (0002AL). In general, (1) integrate changes in concepts, procedures, and schedules of the Army PPBS, and (2) incorporate revisions recommended by the Staff. Specifically --

Subtask a. Describe events and new procedures established under the concept of zero-base budgeting introduced by OMB Circular A-11, 29 June 1977, and applicable OSD and HQDA instructions.

Subtask b. Describe events and new procedures established under document and schedule changes initiated in the FY80-84 POM cycle that reflect involvement in the PPBS by the President and the articulation of OSD guidance introduced by Secretary of Defense Memorandum, 26 October 1977, subject: Improvements in the PPB System.

Subtask c. Through interview, obtain comments and recommendations of the Staff and revise handbook paragraphs, sections, and illustrations to improve descriptions and refine procedures.

Subtask d. Based on comments and recommendations of the Staff, but generally within the existing scope of the handbook, extend handbook coverage to describe additional events and procedures as required.

Task 2 --

Develop a program element definitions handbook (0002AM). Prepare the handbook as an interim step for Staff use pending its subsequent automation and incorporation in an enhanced PE-DPPC data base.

Subtask a. Review definitions of all Army program elements and their associated AMSCOs to identify definitional disconnects, evaluating definitions for inclusiveness, clarity, compatibility, and completeness.



Subtask b. Concurrently with Subtask a, develop a manual master PE-UIC listing to be used eventually as an Army directive and also for potential maintenance as an automated PE-UIC edit file for field reports and the Force Structure and Unit Authorizations Subsystems for FORDIMS.

(1) The objective of this subtask is to establish a precise unit content for each Army program element. The aim is to provide a basis for subsequent work on redefining program elements. The aim is also to provide a control device for unit and program element entries in the Force Accounting System (FAS) and The Army Authorization Document System (TAADS) together with their successor subsystems in the Force Development Integrated Management System (FORDIMS).

(2) To the extent feasible, the manual will implement recommendations previously made in the study of PE-UIC match. As part of this subtask the work will identify responsibilities and develop procedures for automated maintenance and utilization of the manual.

Subtask c. Coordinate results of Subtasks a and b with Program/Appropriation Directors and redefine program elements, as appropriate. Prepare an interim Army program element definition handbook that includes a listing of Army units (or type of units) and their authorized program elements and that also includes policy statements on PE code usage.

(1) Program element definitions prepared in this subtask will contain information required for OSD handbook formats but will further provide descriptive formats suitable for entry into an enhanced PE-DPPC data base.

(2) Figure 2.1 (page 2-9 of aforementioned Contractor's proposal) provides a sample program element of descriptive data sheet planned for the handbook pending subsequent use of input to the data base.

Subtask d. Prepare and coordinate Program Change Requests (PCR) to seek OSD approval of program element definition changes necessary to meet Army requirements for an integrated PE-AMSCO structure.

### Task 3 --

Prepare specifications for an enhanced PE-DPPC data base (0002AN). Concurrently with work under Task 2, prepare functional and data specifications and recommend the input/output configuration for an enhanced PE-DPPC data base structure. As envisioned, the PE-DPPC data base will be designed for the TOTAL DMBS and will be linked to the AMSCO data base. The two data bases will then become the baseline or control files for the program element, DPPC, and AMSCO management languages. Where PE-AMSCO relationships exist, the Army PPBS data base will contain the fundamental inputs/outputs to insure as much commonality of formal AMSCO-PE definitions as possible. Where relationships do not exist, the recorded audit trail of

language changes will facilitate identifying corresponding changes to crosswalk or allocation schemes. Together, these two features will support consistent interpretations and analyses drawn from resource displays in each management language. Consideration will also be given to requirements and means for automated publication of the Army PE Definitions Handbook and development and maintenance of the PE-UIC edit file. This option envisions removal of redundant data elements from the existing AMSCO data base.

FOURTH: The following is added to Article F-3.A:

10. 0002AK - 20 copies of each change to 1st edition of Army Programming and Budget Handbook.

11. 0002AL - 5 copies plus 1 camera-ready master of 2nd edition, Army Programming and Budget Handbook.

12. 0002AM - 5 copies plus 1 camera-ready master of the completed Program Element Definition Handbook.

13. 0002AN - 20 copies of a report containing functional and data specifications for enhanced PE-DPPC data base.

FIFTH: In Article H-1, the period of performance/term of contract is extended to 31 January 1979.

SIXTH: In Article H-2, the delivery dates of Item 0002AD are extended, semi-monthly, through 31 January 1979 and the following are added thereto:

<u>Item No.</u>	<u>Delivery Date</u>
0002AK	as completed through 31 January 1979
0002AL	on or before 31 January 1979
0002AM	on or before 31 January 1979
0002AN	on or before 31 October 1978

SEVENTH: In Article J-3, LTC John F. Henry, telephone number (202) 697-2922, is appointed COTR to replace MAJ Robert G. Krause.

EIGHTH AND LAST: By virtue of this modification, the estimated costs are increased by \$260,284 from \$454,337 to \$714,621; the fixed fee increased by \$26,028 from \$45,434 to \$71,462; and the total contract amount increased by \$286,312 from \$499,771 to \$786,083.

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APPENDIX B  
ABBREVIATIONS AND ACRONYMS

## APPENDIX B

### ABBREVIATIONS AND ACRONYMS

ADP	Automatic Data Processing
AMSCO	Army Management Structure Code
AR	Army Regulation
AS	Authorization Subsystem
CRT	Cathode Ray Tube
CSR	Chief of Staff Regulation
DA	Department of the Army
DBMS	Data Base Management System
DOD	Department of Defense
DPI	Data Processing Installation
DPPC	Defense Planning and Programing Category
FAS	Force Accounting System
FD	Functional Description
FORDIMS	Force Development Integrated Management System
FP	Functional Program
FSS	Force Structure Subsystem
FYDP	Five Year Defense Program
HQDA	Headquarters, Department of the Army
MBC	Mission Budget Category
MIS	Management Information System
MTOE	Modification Table of Organization and Equipment
OASD	Office, Assistant Secretary of Defense
ODCSOPS	Office, Deputy Chief of Staff, Operations and Plans
PAED	Program Analysis and Evaluation Directorate
P/BS	Program/Budget Subsystem
PCD	Program Change Decision
PCR	Program Change Request
PE	Program Element
POC	Point of Contact
PPBS	Planning, Programing, and Budgeting System
PPC	Planning and Programing Category
PROBE	Program Optimization and Budget Evaluation
PSP	Program/Subprogram
RIC	Resource Identification Code
TAADS	The Army Authorization Documents System
TDA	Table of Distribution and Allowances
TSO	Time Sharing Option
UIC	Unit Identification Code
USAMSSA	United States Army Management Systems Support Agency
VTAADS	Vertical, The Army Authorization Documents System



APPENDIX C  
SYSTEM/USER DIALOGUE

## APPENDIX C

### SYSTEM/USER DIALOGUE

1. LOGON as specified by the PROBE Army Staff User's Manual selecting the PAED support option.
2. After LOGON is successfully completed the PE Data Base option is selected from the PPBS Staff Support System option list.

The system responds as follows:

WELCOME TO THE PE DATA BASE.

THIS MODULE OF THE STAFF SUPPORT SYSTEM ENABLES YOU TO VIEW OR MODIFY SELECTED PORTIONS OF THE PE DATA BASE. THE FOLLOWING OPTIONS ARE AVAILABLE:

- |               |                 |
|---------------|-----------------|
| 1. PE MASTER  | 5. MBC MASTER   |
| 2. RIC MASTER | 6. DPPC MASTER  |
| 3. PSP MASTER | 7. PE WORK FILE |
| 4. FP MASTER  |                 |

ENTER THE OPTION NUMBER OF YOUR CHOICE OR ENTER "R" TO RETURN TO THE PREVIOUS DISPLAY.

If the option entered by the user is invalid, the system responds with the following standard error in option selection notice.

THE OPTION YOU HAVE SELECTED IS INVALID. ENTER "C" TO RETURN TO THE PREVIOUS DISPLAY AND RESELECT THE OPTION DESIRED.

3. Once a valid option has been entered, the following dialogue takes place.

• PE Master Options

YOU HAVE SELECTED THE PE MASTER MODULE. YOUR OPTIONS ARE TO UPDATE THE PE MASTER OR TO DISPLAY WHICH OF THE DATA ELEMENTS BELOW ARE RELATED TO A PE OF YOUR CHOICE.

- |                    |                           |
|--------------------|---------------------------|
| 1. UPDATE          | 8. CURRENT PE DESCRIPTION |
| 2. AMSCO           | 9. PRIOR PE DESCRIPTION   |
| 3. AMSCO & TITLE   | 10. PSP AND TITLE         |
| 4. DPPC & TITLE    | 11. RIC                   |
| 5. FP & TITLE      | 12. RIC & TITLE           |
| 6. MBC & TITLE     | 13. UIC                   |
| 7. PE CODE & TITLE |                           |

ENTER THE OPTION NUMBER OF YOUR CHOICE OR ENTER "R" TO RETURN TO THE PE DATA BASE OPTION LIST.

If the option entered by the user is invalid, the system responds with the standard error in option selection notice.

●● PE Master update option

```
                * PE MASTER UPDATE *
ENTER DATA WHICH YOU WANT TO UPDATE BETWEEN THE ASTERISKS IN THE FORMAT BELOW OR
ENTER "R" TO RETURN TO THE PE MASTER OPTION LIST.
PECODE STATUS AFMNT
*      *      *      *      *
```

If errors are encountered, the input transaction is returned for correction and reentry along with appropriate error messages, as indicated by the examples below:

```
                * PE MASTER UPDATE *
ENTER DATA WHICH YOU WANT TO UPDATE BETWEEN THE ASTERISKS IN THE FORMAT BELOW OR
ENTER "R" TO RETURN TO THE PE MASTER OPTION LIST.
PECODE STATUS AFMNT
*AAAAAN*   *D*   *5*
##ERROR-PE CODE 1-5 MUST BE NUMERIC.
##ERROR-PE CODE 6 MUST BE "A".
##ERROR-STATUS.
##ERROR-AFMNT MUST BE "1", "2", or "3".
```

●● PE Master display options

●●● AMSCO display

```
                * AMSCO DISPLAY *
ENTER THE PE CODE BETWEEN THE ASTERISKS FOR WHICH YOU WANT AMSCO DISPLAYED OR
ENTER "R" TO RETURN TO THE PE MASTER OPTION LIST.
PECODE
*NNNNNA*
```

If the PE code is invalid, the following standard PE code error messages are returned as appropriate.

```
                * AMSCO DISPLAY *
ENTER THE PE CODE BETWEEN THE ASTERISKS FOR WHICH YOU WANT AMSCO DISPLAYED OR
ENTER "R" TO RETURN TO THE PE MASTER OPTION LIST.
PECODE
*NNNNNA*
##ERROR-PE CODE 1-5 MUST BE NUMERIC.
##ERROR-PE CODE 6 MUST BE "A".
##ERROR-PE CODE NOT ON PE MASTER.
```

Transactions which pass the edits produce the following display.

```
AMSCOS LINKED TO PE CODE *NNNNNA* ARE:

*XXXXXXXXXXXX*XXXXXXXXXXXX*XXXXXXXXXXXX*XXXXXXXXXXXX*XXXXXXXXXXXX*XXXXXXXXXXXX*
*XXXXXXXXXXXX*XXXXXXXXXXXX*XXXXXXXXXXXX*XXXXXXXXXXXX*XXXXXXXXXXXX*XXXXXXXXXXXX*
                                     .
                                     .
                                     .
*XXXXXXXXXXXX*XXXXXXXXXXXX*XXXXXXXXXXXX*XXXXXXXXXXXX*XXXXXXXXXXXX*XXXXXXXXXXXX*
      (6i +j)                                     (n)

ENTER "N" FOR NEXT PAGE, "C" FOR AMSCO DISPLAY OR "R" TO RETURN TO THE PE
MASTER OPTION LIST.
```

●●● AMSCO and AMSCO title display

```
                * AMSCO AND TITLE DISPLAY *
ENTER THE PE CODE BETWEEN THE ASTERISKS FOR WHICH YOU WANT AMSCO AND TITLE
DISPLAYED OR ENTER "R" TO RETURN TO THE PE MASTER OPTION LIST.
PECODE
*NNNNNA*
```

If the PE code entered is invalid, the appropriate standard PE code error messages are returned with the preceding display.

Transactions which pass the edits produce the following display.

```
AMSCOS LINKED TO PE CODE *NNNNNA* ARE:

AMSCO          TITLE
*XXXXXXXXXXXX*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX*
                                     .
                                     .
                                     .
*XXXXXXXXXXXX*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX*
      (n)

ENTER "N" FOR NEXT PAGE, "C" FOR AMSCO DISPLAY OR "R" TO RETURN TO THE PE
MASTER OPTION LIST.
```

●●● DPPC and DPPC title display

```
                * DPPC AND TITLE DISPLAY *
ENTER THE PE CODE BETWEEN THE ASTERISKS FOR WHICH YOU WANT DPPC AND TITLE
DISPLAYED OR ENTER "R" TO RETURN TO THE PE MASTER OPTION LIST.
PECODE
*NNNNNA*
```

If the PE code is invalid, the appropriate standard PE code error messages are returned with the preceding display.

Transactions which pass the edits produce the following display.

```
PE CODE *NNNNNA* IS ASSIGNED TO

DPPC DPPC TITLE
*2A1A*DIVISIONS
ENTER "R" TO RETURN TO THE PE MASTER OPTION LIST.
```

●●● FP and FP title display

```
                * FP AND TITLE DISPLAY *
ENTER THE PE CODE BETWEEN THE ASTERISKS FOR WHICH YOU WANT FP AND TITLE
DISPLAYED OR ENTER "R" TO RETURN TO THE PE MASTER OPTION LIST.
PECODE
*          *
```

If the PE code is invalid, the appropriate standard PE code error messages are returned with the preceding display.

Transactions which pass the edits produce the following display.

```
PE CODE *NNNNNA* IS ASSIGNED TO
FP FP TITLE
*XX*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX*
```

●●● MBC and MBC title display

```
                * MBC AND TITLE DISPLAY *
ENTER THE PE CODE BETWEEN THE ASTERISKS FOR WHICH YOU WANT FP AND TITLE
DISPLAYED OR ENTER "R" TO RETURN TO THE PE MASTER OPTION LIST.
PECODE
*          *
```

If the PE code is invalid, the appropriate standard PE code error messages are returned with the preceding display.

Transactions which pass the edits produce the following display.

```
PE CODE *NNNNNA* IS ASSIGNED TO

MBC  MBC TITLE
*NNNN*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX*
```

●●● PE code title display



ENTER THE PE CODE BETWEEN THE ASTERISKS FOR WHICH YOU WANT TITLE DISPLAYED.  
\*NNNNNA\*

If the PE code is invalid, the appropriate standard PE code error messages are returned with the preceding display.

Transactions which pass the edits produce the following display.

THE TITLE OF PE CODE \*NNNNNA\* IS  
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
ENTER "R" TO RETURN TO PE MASTER OPTION LIST.

\*\*\* Current PE Description display

ENTER THE PE CODE BETWEEN THE ASTERISKS FOR WHICH YOU WANT TO DISPLAY CURRENT PE DESCRIPTION OR "R" TO RETURN TO PE MASTER OPTION LIST.  
\*NNNNNA\*

If the PE code is invalid, the appropriate standard PE code error messages are returned with the preceding display.

Transactions that pass the standard PE code edits produce one of two displays.

Either

CURRENT PE DESCRIPTION DOES NOT EXIST. ENTER "C" IF YOU WANT TO SELECT ANOTHER CURRENT PE DESCRIPTION. ENTER "R" TO RETURN TO PE DATA BASE OPTIONS TO BUILD A PE DESCRIPTION IN THE PE WORK FILE.

or

C.	N	
RO	LU	
EDPECODEIM		CURRENT PE DESCRIPTION
AA22611A01DIVISIONS		999999781225
AB22611A01PCD X-6-004	22 MAR 76	
AC22611A01DIVISIONS		2A1A2111 2
AD22611A01INCLUDES		
AD22611A02MANPOWER AUTHORIZATIONS, PECULIAR AND SUPPORT EQUIPMENT,		
AD22611A03NECESSARY FACILITIES AND THE ASSOCIATED COSTS SPECIFICALLY		
AD22611A04IDENTIFIED AND MEASURABLE TO THE FOLLOWING:		
AD22611A05TOE UNITS ORGANIC TO ARMY DIVISIONS ASSIGNED TO FORSCOM.		
AD22611A06UNIT/ORGANIZATION TYPES:		
AD22611A07DIV HHC	ENGR BN	MECH BN ADMIN CO
AD22611A08DIV ARTY HHB	FA BN	MED BN CBT INTEL CO
AD22611A09SPT CMD HHC	INF BN	S&T BN FIN CO
AD22611A10CBT AVN GP/BN	MAINT BN	SIG BN MP CO
AD22611A11ADA BN CHAP/VULC(SP)	BDE HHC	TANK BN NBC DEF CO
AD22611A12ARMD/AIR/AIRMOBILE CAV SODN		DIV MMC

\*\*\*MORE ON NEXT SCREEN\*\*\*

C	N	
RO	LU	
EDPECODEIM		CURRENT PE DESCRIPTION
AE22611A01EXCLUDES		
AE22611A02NONORGANIC TOE SUPPORTING UNITS, TDA UNITS AND TDA AUGMENT-		
AE22611A03ATION TO TOE UNITS (PE 2269XA).		
AF22611A01DCSOPS MS. FRANKS, DAMO-FDP, 5C-478,EXT -73197		
AG22611A01SOURCE OF RESOURCES		
AG22611A02FY79 800 SPACES FROM 22311A,600 SPACES FROM 22411A.		
AH22611A01DISPOSITION OF RESOURCES		
AH22611A02FY79 13 SPACES TO 22399A		
AI22611A010001		
AI22611A020101		
AI22611A030425		
AI22611A040426		
AI22611A050427		
AI22611A060428		
ENTER "B" TO BACK UP ONE SCREEN.		
***MORE ON NEXT SCREEN***		

C	N	
KO	LU	
EDPECODEIM		CURRENT PE DESCRIPTION
AI22611A070429		
AI22611A080440		
AI22611A091020		
AI22611A101030		
AI22611A111040		
AI22611A121280		
ENTER "B" TO BACK UP ONE SCREEN, "C" TO SELECT ANOTHER CURRENT PE DESCRIPTION OR "R" TO RETURN TO PE MASTER OPTION LIST.		

... Prior PE Description display

ENTER THE PE CODE BETWEEN THE ASTERISKS FOR WHICH YOU WANT TO DISPLAY PRIOR PE DESCRIPTIONS OR "R" TO RETURN TO PE MASTER OPTION LIST. *NNNNNA*
---

If the PE code is invalid, the appropriate standard PE code error messages are returned with the preceding display.

Transactions that pass the standard PE code edits produce one of two displays.

Either

PRIOR PE DESCRIPTION DOES NOT EXIST. ENTER "C" IF YOU WANT TO SELECT ANOTHER PRIOR PE DESCRIPTION OR "R" TO RETURN TO THE PE MASTER OPTION LIST.

Or

The system displays all Prior PE Descriptions sequentially from most recent to the oldest on the file.

C	N	
RO	LU	
EDPECODEIM		PRIOR PE DESCRIPTION
AA22418A01		TACTICAL SUPPORT-LOGISTICS UNITS 999999781225781225
AB22418A01		PCD X-6-004 22 MAR 76
AB22418A02		PCD X-8-011 07 DEC 78
AC22418A01		TACTICAL SUPPORT-LOGISTICS UNITS 2A1C2111 2
AD22418A01		INCLUDES
AD22418A02		MANPOWER AUTHORIZATIONS, PECULIAR AND SUPPORT EQUIPMENT
AD22418A03		NECESSARY FACILITIES AND THE ASSOCIATED COSTS SPECIFICALLY
AD22418A04		IDENTIFIED AND MEASURABLE TO THE FOLLOWING:
AB22418A05		TOE NON-DIVISIONAL LOGISTICS UNITS ASSIGNED TO EIGHTH U.S.
AD22418A06		ARMY FOR SUPPORT OF DIVISIONS, OTHER NON-DIVISIONAL COMBAT
AD22418A07		UNITS, AND TACTICAL SUPPORT ELEMENTS.
AD22418A08		UNIT/ORGANIZATION TYPES
AD22418A09		GS MAINT BN HHD CONST GP HHC PHYS SCTY CO
AD22418A09		DS SUP&SVC CO CORPS SPT BDE HHC DS/GS AMMO BN HHC
AD22418A10		DS REAR MAINT CO MAT MGT CEN DS/GS SP AMMO CO
***MORE ON NEXT SCREEN***		

C	N	
RO	LU	
EDPECODEIM		PRIOR PE DESCRIPTION
AD22418A11GM MAINT CO		MOV CON CEN MDM/LT TRUCK CO
AD22418A12EOD DET		MTR TRANS BN HHD MDM CARGO TRUCK CO
AD22418A13EXPLO DSPO CON DET		ACFT MAINT CO OCEAN-GOING TUG DET
AD22418A14AIR-DROP RENOV TM		TRANS CAR CO
AE22418A101EXCLUDES		
AE22418A02TDA UNITS AND TDA AUGMENTATION TO TOE UNITS(PE 2249XA)		
AE22418A03PROGRAM 7 LOGISTICS UNITS.		
AF22418A01DCSOPS MS. FRANKS, DAMO-FDP,5C-679, EXT 43195.		
AG22418A01SOURCE OF RESOURCES		
AG22418A02FY76 71117A CANCELLED.		
AH22418A01DISPOSITION OF RESOURCES		
AH22418A02PL 94-679 WITHDREW ALL FUNDING		
AI22418A010001 ACTIVE ARMY OFFICERS		
AI22418A020101 ACTIVE ARMY ENLISTED		

ENTER "B" TO BACK UP ONE SCREEN.

\*\*\*MORE ON NEXT SCREEN\*\*\*

EDPECODEIM	PRIOR PE DESCRIPTION
AI22418A030425 AIRCRAFT PROCUREMENT-ARMY	
AI22418A040429 OTHER PROCUREMENT-ARMY	
AI22418A050510 OPERATION AND MAINTENANCE-ARMY	
AI22418A060560 MILITARY PERSONNEL-ARMY	
AJ22418A01TACTICAL-MOBILITY-LAND FORCES-DIVISION FORCES-TACTICAL SUPPORT	
AK22418A01TACTICAL WARFARE-LAND WARFARE FORCES-DIVISION FORCES	
AL22418A01NONE	
AM22418A01GENERAL PURPOSE FORCES	

ENTER "Y" TO REVIEW AN OLDER PE DESCRIPTION, "R" TO RETURN TO PE MASTER OPTION LIST OR "C" TO SELECT ANOTHER PE CODE.

●● PSP and PSP display

ENTER THE PE CODE BETWEEN THE ASTERISKS FOR WHICH YOU WANT PSP AND PSP TITLE DISPLAYED OR "R" TO RETURN TO PE MASTER OPTION LIST.  
\*NNNNNA\*

If the PE code is invalid, the appropriate standard PE code error messages are returned with the preceding display.

Transactions that pass the edits produce the following display.

```
PE CODE *NNNNNA* IS ASSIGNED TO PSP

*NA*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX*

ENTER "C" TO SELECT ANOTHER PE CODE OR "R" TO RETURN TO PE MASTER OPTION LIST.
```

●●● RIC display

```
ENTER THE PE CODE BETWEEN THE ASTERISKS FOR WHICH YOU WANT TO DISPLAY RICS
OR "R" TO RETURN TO THE PE MASTER OPTION LIST.
*NNNNNA*
```

If the PE code is invalid, the appropriate standard PE code error messages are returned with the preceding display.

Transactions that pass the standard PE code edits produce the following display.

```
THE FOLLOWING RICS ARE RELATED TO PE CODE
*NNNNNA*:

NNNN,NNNN,NNNN,NNNN,NNNN,NNNN,NNNN,NNNN,NNNN,NNNN,NNNN,NNNN,NNNN,NNNN,NNNN
      ●
      ●
      ●
NNNN,NNNN,NNNN,NNNN,NNNN,NNNN,NNNN,NNNN,NNNN,NNNN,NNNN,NNNN,NNNN,NNNN
(16i+j)                                     (n)

ENTER "C" TO SELECT ANOTHER PE CODE OR "R" TO RETURN TO PE MASTER OPTION LIST.
```

●●● RIC and RIC title display

```
ENTER THE PE CODE BETWEEN THE ASTERISKS FOR WHICH YOU WANT TO DISPLAY RIC
AND RIC TITLES OR "R" TO RETURN TO PE MASTER OPTION LIST.
*NNNNNA*
```

If the PE code is invalid, the appropriate standard PE code error messages are returned with the above display.

Transactions that pass the PE code edits produce the following display.



THE FOLLOWING RICS ARE LINKED TO PE CODE

\*NNNNNA\*:

RIC TITLE

\*NNNN\*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX\*

•  
•  
•

\*NNNN\*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX\*

ENTER "C" TO SELECT ANOTHER PE CODE OR "R" TO RETURN TO PE MASTER OPTION LIST.

••• UIC display

ENTER THE PE CODE BETWEEN THE ASTERISKS FOR WHICH YOU WANT TO DISPLAY UICS  
OR "R" TO RETURN TO PE MASTER OPTION LIST.

\*NNNNNA\*

If the PE code is invalid, the appropriate standard PE code error messages  
are returned with the preceding display.

Transactions that pass the PE code edits produce the following display.

THE FOLLOWING UICS ARE RELATED TO PECODE

\*NNNNNA\*:

XXXXXX,XXXXXX,XXXXXX,XXXXXX,XXXXXX,XXXXXX,XXXXXX,XXXXXX,XXXXXX,XXXXXX

•  
•  
•

XXXXXX,XXXXXX,XXXXXX,XXXXXX,XXXXXX,XXXXXX,XXXXXX,XXXXXX,XXXXXX,XXXXXX  
(11i+j) (n)

ENTER "C" TO SELECT ANOTHER PE CODE OR "R" TO RETURN TO PE MASTER OPTION LIST.

• RIC Master Options

YOU HAVE SELECTED THE RIC MASTER MODULE. YOUR OPTIONS ARE TO UPDATE THE RIC  
MASTER OR TO DISPLAY WHICH PE CODES ARE RELATED TO A RIC OF YOUR CHOICE.

1. RIC & TITLE
2. PE CODE
3. PE CODE & TITLE

ENTER THE OPTION NUMBER OF YOUR CHOICE OR ENTER "R" TO RETURN TO THE PE DATA  
BASE OPTION LIST.

If the option entered is invalid, the standard error in option selection message is returned.

●● RIC and Title option

ENTER THE RIC BETWEEN THE ASTERISKS WHICH YOU WANT TO DISPLAY/UPDATE OR "R" TO RETURN TO THE RIC MASTER OPTION LIST.  
\*NNNN\*

If the RIC is invalid, the following standard RIC error message is returned with the preceding display.

\*ERROR-RIC MUST BE NUMERIC.

Transactions which pass the edit produce one of the following displays.

Either

TO DELETE THE RECORD BELOW, ENTER "1" IN AFM. TO CHANGE IT, ENTER "3" IN AFM AND OVERWRITE THE DATA TO BE CHANGED. ENTER "C" TO SELECT ANOTHER RIC OR "R" TO RETURN TO THE RIC MASTER OPTION LIST.

A	RT S
F	EY T
RIC M TITLE	CP A
*NNNN*N*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX*NN*X*	

or

THE RIC YOU HAVE ENTERED IS NOT ON THE RIC MASTER. IF YOU WANT TO ADD A RIC TO THE MASTER ENTER APPROPRIATE DATA IN THE FORMAT BELOW. ENTER "C" TO SELECT ANOTHER RIC OR "R" TO RETURN TO THE RIC MASTER OPTION LIST.

A	RT S
F	EY T
RIC M TITLE	CP A
*NNNN*N*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX*NN*X*	

Input transactions are edited, and appropriate error message displays are returned as in the examples for PE Master update.

●● PE code display option

ENTER THE RIC BETWEEN THE ASTERISKS FOR WHICH YOU WANT TO DISPLAY PE CODES OR "R" TO RETURN TO THE RIC MASTER OPTION LIST.  
\*NNNN\*

If the RIC is invalid, the following standard RIC error messages are returned as appropriate with the preceding display.

\*ERROR-RIC MUST BE NUMERIC.  
\*ERROR-RIC NOT ON RIC MASTER.

Transactions which pass the edits produce the standard PE code display below and header message.

RIC\*NNNN\*IS ASSOCIATED WITH THE FOLLOWING PE CODES:

NNNNNA,NNNNNA,NNNNNA,NNNNNA,NNNNNA,NNNNNA,NNNNNA,NNNNNA,NNNNNA,NNNNNA,NNNNNA  
:  
:  
:  
NNNNNA,NNNNNA,NNNNNA,NNNNNA,NNNNNA,NNNNNA,NNNNNA,NNNNNA,NNNNNA,NNNNNA,NNNNNA  
(11i+j) (n)

●● PE code & title display

ENTER THE RIC BETWEEN THE ASTERISKS FOR WHICH YOU WANT TO DISPLAY PE CODES AND TITLES OR "R" TO RETURN TO THE RIC MASTER OPTION LIST.  
\*NNNN\*

If the RIC is invalid, the standard RIC error messages are returned with the preceding display.

Transactions which pass the RIC edits produce the following display.

THE FOLLOWING PE CODES ARE RELATED TO RIC \*NNNN\*:

PECODE TITLE  
\*NNNNNA\*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX\*  
:  
:  
:  
\*NNNNNA\*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX\*

ENTER "C" TO SELECT ANOTHER RIC OR "R" TO RETURN TO THE RIC MASTER OPTION LIST.

● PSP Master Options

YOU HAVE SELECTED THE PSP MASTER MODULE. YOUR OPTIONS ARE TO DISPLAY THE PE CODES AND TITLES ASSOCIATED WITH A PROGRAM OR SUBPROGRAM OF YOUR CHOICE.

1. PROGRAM
2. SUBPROGRAM

ENTER THE OPTION NUMBER OF YOUR CHOICE OR ENTER "R" TO RETURN TO THE PE DATA BASE OPTION LIST.

If the option entered is invalid, the standard error in option selection message is returned.

●● Program

ENTER THE PROGRAM BETWEEN THE ASTERISKS WHICH YOU WANT TO DISPLAY OR "R" TO THE PSP MASTER OPTION LIST.  
\*N\*

If the program entered is invalid, the following message is returned in the preceding display.

\*ERROR-PROGRAM MUST BE NUMERIC.

Transactions which pass the edit produce the following display.

PECODE PETITLE  
\*NNNNNA\*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX\*  
• •  
• •  
• •  
\*NNNNNA\*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX\*  
(n) (n)  
ENTER "C" TO SELECT ANOTHER PROGRAM OR "R" TO RETURN TO THE PSP MASTER OPTION LIST.

●● Subprogram

ENTER THE SUBPROGRAM BETWEEN THE ASTERISKS WHICH YOU WANT TO DISPLAY OR "R" TO RETURN TO THE PSP MASTER OPTION LIST.  
\*NA\*

If the subprogram entered is invalid, the following error messages are returned as appropriate with the preceding display.

\*ERROR-PROGRAM MUST BE NUMERIC.  
\*ERROR-SUBPROGRAM MUST BE ALPHA.  
\*ERROR-NOT ON PSP MASTER.

Transactions which pass the edits produce a display in the same format as the Program option display.

● FP Master Options

YOU HAVE SELECTED THE FP MASTER MODULE. BETWEEN THE ASTERISKS BELOW, ENTER THE FP FOR WHICH YOU WANT PECO DE AND TITLE DISPLAYED OR ENTER "R" TO RETURN TO THE PE DATA BASE OPTION LIST.  
\*NN\*

If the FP is invalid, the following error message is returned with the preceding display.

\*ERROR-FP INVALID.

Transactions which pass the edit produce a display in the same format as the Program option display.

● MBC Master Options.

YOU HAVE SELECTED THE MBC MASTER MODULE. YOUR OPTIONS ARE TO UPDATE THE MBC MASTER OR TO DISPLAY WHICH OF THE DATA ELEMENTS BELOW RELATE TO AN MBC OF YOUR CHOICE.

1. MBC AND TITLE
2. PE CODE
3. PE CODE AND TITLE

ENTER THE OPTION NUMBER OF YOUR CHOICE OR ENTER "R" TO RETURN TO THE PE DATA BASE OPTION LIST.

If the option entered is invalid, the standard error in option selection message is returned.

●● MBC Update option

ENTER THE MBC BETWEEN THE ASTERISKS WHICH YOU WANT TO DISPLAY/UPDATE OR "R" TO RETURN TO THE MBC MASTER OPTION LIST.  
\*NNNN\*

If the MBC is invalid, the following standard MBC error messages are returned as appropriate with the preceding display.

\*ERROR-MBC MUST BE NUMERIC.  
\*ERROR-MBC-4 MUST BE "1", "2", or "3".

The transactions which pass the edits produce one of the following displays.

Either

TO DELETE THE RECORD BELOW, ENTER "1" IN AFM. TO CHANGE IT, ENTER "3" IN AFM AND OVERWRITE THE DATA TO BE CHANGED. ENTER "C" TO SELECT ANOTHER MBC OR "R" TO RETURN TO THE MBC MASTER OPTION LIST.

A	S
F	T
MBC M TITLE	A
*XXXX*N*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX*	



or

THE MBC WHICH YOU ENTERED IS NOT ON THE MBC MASTER. IF YOU WANT TO ADDAN MBC TO THE MBC MASTER, ENTER APPROPRIATE DATA IN THE FORMAT BELOW.

A	S
F	T
MBC M TITLE	A
*NNNN*N*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX*X*	

ENTER "C" TO SELECT ANOTHER MBC OR "R" TO RETURN TO THE MBC MASTER OPTION LIST.

Input transactions are edited, and appropriate error message displays are returned as in the examples for PE Master update.

●● PE CODE display option

ENTER THE MBC BETWEEN THE ASTERISKS FOR WHICH YOU WANT TO DISPLAY PE CODES OR "R" TO RETURN TO THE MBC OPTION LIST.  
\*NNNN\*

If the MBC is invalid, the standard MBC error messages are returned as appropriate with the preceding display.

\*ERROR-MBC MUST BE NUMERIC.  
\*ERROR-MBC-4 MUST BE "1", "2", or "3".  
\*ERROR-MBC NOT ON MBC MASTER.

Transactions which pass the edits produce the header message below and the standard PE code display.

MBC\*NNNN\* IS ASSOCIATED WITH THE FOLLOWING PE CODES:

NNNNNA, NNNNNA, NNNNNA, NNNNNA, NNNNNA, NNNNNA, NNNNNA, NNNNNA, NNNNNA, NNNNNA, NNNNNA  
:  
:  
:  
NNNNNA, NNNNNA, NNNNNA, NNNNNA, NNNNNA, NNNNNA, NNNNNA, NNNNNA, NNNNNA, NNNNNA, NNNNNA  
(11i+j) (n)

ENTER "C" TO SELECT ANOTHER MBC OR "R" TO RETURN TO THE MBC MASTER OPTION LIST.

●● PE code and title display option

ENTER THE MBC BETWEEN THE ASTERISKS FOR WHICH YOU WANT TO DISPLAY PE CODES OR "R" TO RETURN TO THE MBC MASTER OPTION LIST.  
\*NNNN\*

If the MBC is invalid, the standard MBC error messages are returned with the preceding display.

Transactions which pass the edits produce the header message below and the standard PE code and title display.

MBC \*NNNN\* IS ASSOCIATED WITH THE FOLLOWING PE CODES:

PECODE	TITLE
*NNNNNA*	XX*
	•
	•
	•
*NNNNNA*	XX*

ENTER "C" TO SELECT ANOTHER MBC OR "R" TO RETURN TO THE MBC MASTER OPTION LIST.

• DPPC Master Options

YOU HAVE SELECTED THE DPPC MASTER MODULE. YOUR OPTIONS ARE TO UPDATE THE DPPC MASTER OR TO DISPLAY WHICH OF THE DATA ELEMENTS RELATE TO A DPPC OF YOUR CHOICE.

1. DPPC AND TITLE
2. PE CODE
3. PE CODE AND TITLE

ENTER THE OPTION NUMBER OF YOUR CHOICE OR ENTER "R" TO RETURN TO THE PE DATA BASE OPTION LIST.

If the option entered is invalid, the standard error in option selection message is returned.

•• DPPC update option

ENTER THE DPPC BETWEEN THE ASTERISKS WHICH YOU WANT TO DISPLAY/UPDATE OR "R" TO RETURN TO THE DPPC MASTER OPTION LIST.  
\*XXXX\*

If the DPPC is invalid, the following standard DPPC error messages are returned as appropriate in the preceding display.

\*ERROR-DPPC CODE MUST BE ALPHANUMERIC.  
\*ERROR-DPPC CODE MUST BE LEFT JUSTIFIED.  
\*ERROR-DPPC CODE MAY NOT CONTAIN IMBEDDED BLANKS.

Transactions which pass the edits produce one of the following displays.

Either

TO DELETE THE RECORD BELOW, ENTER "1" IN AFM. TO CHANGE IT, ENTER "3" IN AFM, AND OVERWRITE THE DATA TO BE CHANGED. ENTER "C" TO SELECT ANOTHER DPPC OR "R" TO RETURN TO THE DPPC MASTER OPTION LIST.

A	S
F	T
DPPC M TITLE	A
*XXXX*N*XXX*Y*	

or

THE DPPC WHICH YOU ENTERED IS NOT ON THE DPPC MASTER. IF YOU WANT TO ADD A DPPC TO THE DPPC MASTER, ENTER APPROPRIATE DATA IN THE FORMAT BELOW.

A	S
F	T
DPPC M TITLE	A
*XXXX*N*XXX*Y*	

ENTER "C" TO SELECT ANOTHER DPPC OR "R" TO RETURN TO THE DPPC MASTER OPTION LIST.

Input transactions are edited, and appropriate error messages are returned as in the examples for the PE Master update.

#### ●● PE code display option

ENTER THE DPPC BETWEEN THE ASTERISKS FOR WHICH YOU WANT TO DISPLAY PE CODES OR "R" TO RETURN TO THE DPPC MASTER OPTION LIST.  
\*XXXX\*

If the DPPC is invalid, the standard DPPC error messages are returned as appropriate in the preceding display.

Transactions which pass the edits produce the header below and the standard PE code display.

DPPC \*XXXX\* IS ASSOCIATED WITH THE FOLLOWING PE CODES:  
(standard PE code display)

ENTER "C" TO SELECT ANOTHER DPPC OR "R" TO RETURN TO THE DPPC MASTER OPTION LIST.

#### ●● PE code and title display option

ENTER THE DPPC BETWEEN THE ASTERISKS FOR WHICH YOU WANT TO DISPLAY PE CODES AND TITLES OR ENTER "R" TO RETURN TO THE DPPC MASTER OPTION LIST.  
\*XXXX\*

If the DPPC is invalid, the standard DPPC error messages are returned in the display above.

Transactions which pass the edits produce the header message below and the standard PE code and title display.

DPPC \*XXXX\* IS ASSOCIATED WITH THE FOLLOWING PE CODES:  
(standard PE code and title display)

ENTER "C" TO SELECT ANOTHER DPPC OR "R" TO RETURN TO THE DPPC MASTER OPTION LIST.

● PE Work file option

YOU HAVE SELECTED THE PE WORK FILE OPTION. YOUR OPTIONS ARE TO UPDATE THE PE WORK FILE OR TO UPDATE THE CURRENT PE DESCRIPTION FILE.

1. UPDATE PE WORK FILE
2. UPDATE CURRENT PE DESCRIPTION

ENTER THE OPTION NUMBER OF YOUR CHOICE OR ENTER "R" TO RETURN TO THE PE DATA BASE OPTION LIST.

If the option entered is invalid, the system responds with the standard error in option selection message.

●● Update PE Work file option

ENTER THE PE CODE BETWEEN THE ASTERISKS BELOW WHICH YOU WANT TO UPDATE OR ENTER "R" TO RETURN TO THE PE WORK FILE OPTION LIST.  
\*NNNNNA\*

If the PE code is invalid, the following error messages are returned as appropriate in the preceding display.

\*ERROR-PE CODE 1-5 MUST BE NUMERIC.  
\*ERROR-PE CODE 6 MUST BE "A".  
\*ERROR-PE CODE NOT ON PE MASTER.  
\*ERROR-ATTEMPT TO UPDATE CANCELLED PE.

Transactions which pass the edits produce one of the following displays.

●●● Either

THE PE CODE YOU HAVE ENTERED IS NOT ON EITHER THE CURRENT PE DESCRIPTION FILE OR THE PE WORK FILE. TO ADD A NEW PE DESCRIPTION YOU MUST ADD A COMPLETE CODED RECORD SET IN THE SEQUENCE BELOW.

AA-PE TITLE  
 AB-AUTHORITY  
 AC-PE TITLE ABBREVIATION  
 AD-PE INCLUSIONS  
 AE-PE EXCLUSIONS  
 AF-POINT OF CONTACT  
 AG-SOURCE OF RESOURCES  
 AH-DISPOSITION OF RESOURCES  
 AI-RIC

ENTER "C" TO CONTINUE OR "R" TO RETURN TO THE PE WORK FILE OPTION LIST.

If the user response is "C", the format for each coded record is displayed in turn. For record types which permit multiple records the PE Work file begin line numbers are system generated in sequence from 001 up to the maximum allowable number of records. PE Work file function and action file maintenance are system generated as add. PE code is system generated based on the previous input. Record code is also system generated. The following displays are produced.

AA-PE TITLE		
USE UP TO 6 LINES TO DESCRIBE PE TITLE IN THE BLANK SPACES OF THE FORMAT BELOW.		
ENTER "D" AFTER YOUR LAST LINE TO GO TO NEXT RECORD TYPE.		
*PECODE*	*PE TITLE	*EFDATE*TRDATE*
*22*NNNNNA*001*		* * *
*22*NNNNNA*002*		*****
*22*NNNNNA*003*		*****
*22*NNNNNA*004*		*****
*22*NNNNNA*005*		*****
*22*NNNNNA*006*		*****

If errors are detected on the input, the appropriate error messages are returned with the preceding display as indicated by the following examples.

*PECODE*	*PE TITLE	*EFDATE*TRDATE*
*22*NNNNNA*001*	XXXXXX XXXXXX ETC.	*771510*771233*
ERROR-EFFECTIVE DATE MUST BE NUMERIC, YYMMDD OR 999999.		
ERROR-THROUGH DATE MUST BE NUMERIC, YYMMDD OR 999999.		
*22*NNNNNA*002*	XXXXXX XXXXXX ETC.	
*22*NNNNNA*003*	XXXXXX XXXXXX.	
ERROR-ILLEGAL BLANK IN PE TITLE.		
*22*NNNNNA*004*	XXXXXX.	
AA-PE TITLE ERRORS MUST BE CORRECTED BEFORE PROCEEDING TO NEXT RECORD TYPE.		
CORRECT ALL ERRORS AND REENTER.		



After all errors have been corrected the following display is presented.

NO ERRORS IN PREVIOUS INPUT.

# AB-AUTHORITY

USE UP TO 9 LINES TO DESCRIBE AUTHORITY IN THE BLANK SPACES OF THE FORMAT BELOW.  
ENTER "D" AFTER YOUR LAST LINE TO GO TO NEXT RECORD TYPE.

*PECODE*	*AUT*	X	N	NNNA	DD	MMM	YY	*AUT*	X	N	NNNA	DD	MM	YY
*22*NNNNNA*002*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
*22*NNNNNA*003*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
*22*NNNNNA*004*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
*22*NNNNNA*005*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
*22*NNNNNA*006*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
*22*NNNNNA*007*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
*22*NNNNNA*008*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
*22*NNNNNA*009*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

If errors are encountered on the input, the appropriate error messages are returned with the preceding display as indicated by the following examples.

*PECODE*	*AUT*	X	N	NNNA	DD	MMM	YY	*AUT*	X	N	NNNA	DD	MM	YY
*22*NNNNNA*001*	AUT	X	6	108	35	SEP	77	*	*	*	*	*	*	*
ERROR-AUTDT.														
*22*NNNNNA*002*	***	7	101	30	SEP	77	*	*	*	*	*	*	*	*
ERROR-ILLEGAL BLANK IN AUTHO.														
*22*NNNNNA*003*	PCD	X	A	101	30	SEP	77	*	*	*	*	*	*	*
ERROR-AUTNR.														
AB-AUTHORITY ERRORS MUST BE CORRECTED BEFORE PROCEEDING TO NEXT RECORD TYPE.														
CORRECT ALL ERRORS AND REENTER.														

The following display is presented after all errors have been corrected.

NO ERRORS IN PREVIOUS INPUT.

# AC-PE TITLE ABBREVIATION

ENTER DATA IN THE FORMAT BELOW TO GO TO NEXT RECORD TYPE.

*PECODE*	*PE	TITLE ABBREVIATION	*DPPC*	MBC	*FP*	PS*
*22*NNNNNA*001*			*	*	*	*

If errors are present in the input transactions, appropriate error messages such as those below are returned.

*PECODE*	*PE TITLE ABBREVIATION	*DPPC*MBC*FP*PS*
*22*NNNNNA*001*	XXXXXX	
ERROR-ILLEGAL BLANK IN PE TITLE ABBREVIATION.		
ERROR-IMBEDDED BLANK IN DPPC.		
ERROR-MBC-4 MUST BE "1", "2", or "3".		
ERROR-PSO NOT ON PSP MASTER.		
AC-PE TITLE ABBREVIATION ERRORS MUST BE CORRECTED BEFORE PROCEEDING TO NEXT RECORD TYPE. CORRECT ALL ERRORS AND REENTER.		

The display below is presented after all errors have been corrected.

NO ERRORS IN PREVIOUS INPUT.		
AD-PE INCLUSIONS		
USE UP TO 99 LINES TO DESCRIBE PE INCLUSIONS IN THE BLANK SPACES OF THE FORMAT BELOW. ENTER "D" AFTER YOUR LAST LINE TO GO TO NEXT RECORD TYPE.		
*PECODE*	*PE INCLUSIONS	*
*22*NNNNNA*001*		*
*22*NNNNNA*002*		*
*22*NNNNNA*003*		*
*22*NNNNNA*004*		*
*22*NNNNNA*005*		*
*22*NNNNNA*006*		*
*22*NNNNNA*007*		*
*22*NNNNNA*008*		*
*22*NNNNNA*009*		*
*22*NNNNNA*010*		*
*22*NNNNNA*011*		*
*22*NNNNNA*012*		*
*22*NNNNNA*013*		*
*22*NNNNNA*014*		*
ANY MORE? YES OR NO.		

If errors are detected on input transactions, the following message is returned at the top of the previous display in lieu of "NO ERRORS IN PREVIOUS INPUT".

ILLEGAL BLANKS IN PE INCLUSIONS. CORRECT AND REENTER.
---

If the user responds with "YES" to the query "ANY MORE", the input format is displayed with the line numbers appropriately incremented until such time as the maximum number of records is reached. If the user response is "NO", the next record format is displayed.

Displays for AE-PE Exclusions are in the same format as for AD-PE Inclusions except that "EXCLUSIONS" replaces "INCLUSIONS" wherever appropriate.

The point of contact display below is presented after PE exclusions corrections are complete.

NO ERRORS IN PREVIOUS INPUT.

AF-POINT OF CONTACT

ENTER DATA IN THE FORMAT BELOW TO GO TO NEXT RECORD TYPE.

\*PECODE\* \*POINT OF CONTACT

\*22\*NNNNNA\*001\*

\*  
\*

If an error is detected on the input transaction, the following message is returned at the top of the previous display in lieu of "NO ERRORS IN PREVIOUS INPUT".

ILLEGAL BLANK IN POINT OF CONTACT. CORRECT AND REENTER.

NO ERRORS ON PREVIOUS INPUT.

AG-SOURCE OF RESOURCES

DESCRIBE THE SOURCE OF RESOURCES IN THE FORMAT BELOW ON 9 LINES OR LESS.

ENTER "D" AFTER YOUR LAST LINE TO GO TO NEXT RECORD TYPE.

\*PECODE\* \*SOURCE OF RESOURCES

\*22\*NNNNNA\*001\*

\*22\*NNNNNA\*002\*

\*22\*NNNNNA\*003\*

\*22\*NNNNNA\*004\*

\*22\*NNNNNA\*005\*

\*22\*NNNNNA\*006\*

\*22\*NNNNNA\*007\*

\*22\*NNNNNA\*008\*

\*22\*NNNNNA\*009\*

\*  
\*  
\*  
\*  
\*  
\*  
\*  
\*  
\*

If an error is detected on the input transactions, the following message is returned in lieu of "NO ERRORS IN PREVIOUS INPUT" at the top of the previous display.

ILLEGAL BLANK IN SOURCE OF RESOURCES. CORRECT AND REINPUT.

Displays for AH-Disposition of Resources are the same as for AG-Source of Resources except that "DISPOSITION" replaces "SOURCE" wherever appropriate.

NO ERRORS ON PREVIOUS INPUT.

AI-RIC

UP TO 99 RICS MAY BE ENTERED IN THE FORMAT BELOW.

ENTER "D" AFTER YOUR LAST LINE TO RETURN TO PE WORK FILE OPTION.

```
*PECODE*   *RIC *
*22*NNNNNA*001*   *
*22*NNNNNA*002*   *
*22*NNNNNA*003*   *
*22*NNNNNA*004*   *
*22*NNNNNA*005*   *
*22*NNNNNA*006*   *
*22*NNNNNA*007*   *
*22*NNNNNA*008*   *
*22*NNNNNA*009*   *
*22*NNNNNA*010*   *
*22*NNNNNA*011*   *
*22*NNNNNA*012*   *
*22*NNNNNA*013*   *
*22*NNNNNA*014*   *
ANY MORE? YES OR NO.
```

If errors are detected on the input transactions, appropriate error messages such as those shown below are returned with the preceding display.

```
*PECODE*   *RIC *
*22*NNNNNA*001*NNN *
ERROR-RIC MUST BE NUMERIC.
*22*NNNNNA*002*0560*
*22*NNNNNA*003*5911*
ERROR-RIC NOT ON RIC MASTER.
AI-RIC MUST BE CORRECTED BEFORE THE PE WORK FILE UPDATE IS COMPLETED.
CORRECT ALL ERRORS AND REENTER.
```

The above dialogue continues until all RICS have been entered and corrected at which time the user transmits "D" or "NO" indicating that there is not further input for the coded record set. The PE Work file is then updated with the new PE Description. After the message below is displayed, control is returned to the PE Work file option module automatically.

A NEW PE DESCRIPTION HAS BEEN ADDED TO THE PE WORK FILE FOR PE CODE \*NNNNNA\*.

... Or

THE PE CODE YOU HAVE ENTERED IS NOT ON THE PE WORK FILE. ENTER "C" IF YOU WANT TO ADD IT TO THE PE WORK FILE OR "R" TO RETURN TO THE PE WORK FILE OPTION LIST.

If the user enters "C", the current PE description is added to the PE Work file in PE Work file format and the following message displayed.

DO YOU WANT TO MAKE CHANGES NOW? YES OR NO.

The following display is produced in response to "YES" input. If the user response is "NO", control is returned to the PE Work file option module.

YOU MAY MODIFY ONE OR MORE OF THE FOLLOWING RECORD TYPES:

AA-PE TITLE  
AB-AUTHORITY  
AC-PE TITLE ABBREVIATION  
AD-PE INCLUSIONS  
AE-PE EXCLUSIONS  
AF-POINT OF CONTACT  
AG-SOURCE OF RESOURCES  
AH-DISPOSITION OF RESOURCES  
AI-RIC

ENTER THE RECORD CODE WHICH YOU WANT TO MODIFY.

The following are sample displays returned, user input actions, and error messages for each record type.

#### AA-PE Title response

AA-PE TITLE  
ENTER YOUR MODIFICATIONS IN THE FORMAT BELOW. ENTER "D" AFTER YOUR LAST LINE TO RETURN TO THE RECORD TYPE OPTION LIST.  
PA  
EF  
RCPECODEFMBLNTLNINPE TITLE EFDATETRDATE  
AANNNNNA 010 001XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX 999999790930  
AANNNNNA 020 002XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX  
AANNNNNA 030 003XXXXXX XXXXXX.

#### AA-PE Title user input

AA-PE TITLE  
ENTER YOUR MODIFICATIONS IN THE FORMAT BELOW. ENTER "D" AFTER YOUR LAST LINE TO RETURN TO THE RECORD TYPE OPTION LIST.  
PA  
EF  
RCPECODEFMBLNTLNINPE TITLE EFDATETRDATE  
AANNNNNA21010  
AANNNNNA23010 770930  
AANNNNNA21020030  
AANNNNNA22031 XXXXXX XXXXXX.  
AANNNNNA22021 XXXXXX XXXXXX  
AANNNNNA23010 ##### D



#### AA-PE Title user input explained

Line 1 adds a record to the PE Work file with action file maintenance equal to delete for each record of the coded record set of the specified PE code. If subsequently updated to the Current PE Description file, the PE description is deleted from the Current PE Description file and added to the Prior PE Description file.

Line 2 adds a record to the PE Work file which proposes that effective date be changed on the Current PE Description file.

Line 3 adds records to the PE Work file which propose that the second and third records of the Current PE Description be deleted.

Line 4 adds a record to the PE Work file which proposes that a record be appended to the Current PE Description after the third record on the Current PE Description file.

Line 5 adds a record to the PE Work file which proposes that a record be inserted between the second and third record of the Current PE Description.

Line 6 adds a record to the PE Work file which proposes that certain data on the first record of the Current PE Description be overwritten with blanks.

#### AA-PE Title error message examples

```

                                AA-PE TITLE
ENTER YOUR MODIFICATIONS IN THE FORMAT BELOW.  ENTER "D" AFTER YOUR LAST LINE
TO RETURN TO THE RECORD TYPE OPTION LIST.
    PA
    EF
RCPECODEFMBLNTLNLINE TITLE                                EFDATETRDATE
ABNNNNNA23010  001XXXXXX XXXXXX XXXXXX                    999999790930
ERROR-RECORD CODE MAY NOT BE CHANGED.
AANNNNNA21020010002XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX
ERROR-BEGIN LINE NUMBER GREATER THAN THROUGH LINE NUMBER.
AANNNNNA1 030  003XXXXXX XXXXXX.
ERROR-ACTION FILE MAINTENANCE ON PE WORK FILE RECORD IS BLANK.
AANNNNNA32031  XXXXXX XXXXXX.
ERROR-ACTION FILE MAINTENANCE MUST BE BLANK.
AANNNNNA23032  XXXXXX XXXXXX XXXXXX.
ERROR-NOT ON PE WORK FILE.
```

# AB-Authority response

AB-AUTHORITY  
ENTER YOUR MODIFICATIONS IN THE FORMAT BELOW. ENTER "D" AFTER YOUR LAST LINE TO RETURN TO THE RECORD TYPE OPTION LIST.

PA  
EF  
FMBLNTLNINAAA A N NNNA DD MMM YY AAA A N NNNA DD MMM YY  
ABNNNNNA 010 001PCD X N NNN NN AAA NN PCD A N NNN NN AAA NN  
ABNNNNNA 020 002PCD X N NNNA NN AAA NN PCD A N NNN NN AAA NN  
ABNNNNNA 030 003PCR X N NNN NN AAA NN

# AB-Authority user input

AB-AUTHORITY  
ENTER YOUR MODIFICATIONS IN THE FORMAT BELOW. ENTER "D" AFTER YOUR LAST LINE TO RETURN TO THE RECORD TYPE OPTION LIST.

PA  
EF  
RCPECODEFMBLNTLNINAAA A N NNNA DD MMM YY AAA A N NNNA DD MMM YY  
ABNNNNNA21010  
ABNNNNNA23020 NN XXX NN  
ABNNNNNA21020030  
ABNNNNNA22031 AAA A N NNN NN AAA NN  
ABNNNNNA22021 AAA A N NNNA NN AAA NN

# AB-Authority user input explained

Line 1 adds a record to the PE Work file which proposes that the first record of the Current PE Description AB-Authority be deleted.

Line 2 adds a record to the PE Work file which proposes that the date of the second authority field be changed.

Line 3 adds a record to the PE Work file which proposes that the second and third authority records be deleted from the Current PE Description file.

Line 4 adds a record to the PE Work file with proposes that an additional authority record be appended to the existing authority records in the Current PE Description file.

Line 5 adds a record to the PE Work file which proposes that an authority record be inserted between the second and third authority records on the Current PE Description file.

AB-Authority error message examples

```
AB-AUTHORITY
ENTER YOUR MODIFICATIONS IN THE FORMAT BELOW. ENTER "D" AFTER YOUR LAST LINE
TO RETURN TO THE RECORD TYPE OPTION LIST.
  PA
  EF
RCPECODEFMBLNTLNINAAA A N NNNA DD MMM YY AAA A N NNNA DD MMM YY
ABNNNNNA23011                                     NN AAA NN
ERROR-NOT ON PE WORK FILE.
ABNNNNNA21010 030
ERROR-AT LEAST ONE AB RECORD MUST EXIST.
AANNNNNA1 010030
ERROR-ACTION FILE MAINTENANCE BLANK ON PE WORK FILE.
```

AC-PE Title abbreviation response

```
AC-PE TITLE ABBREVIATION
ENTER YOUR MODIFICATIONS IN THE FORMAT BELOW. ENTER "D" AFTER YOUR LAST LINE
TO RETURN TO THE RECORD TYPE OPTION LIST.
  PA
  EF
RCPECODEFMBLNTLNINPE TITLE ABBREVIATION          DPPCMBC FPPS
ACNNNNNA 010 001XXXXXX XXXXXX                    XXXXNNNNXXNA
```

AC-PE Title abbreviation user input

```
AC-PE TITLE ABBREVIATION
ENTER YOUR MODIFICATIONS IN THE FORMAT BELOW. ENTER "D" AFTER YOUR LAST LINE
TO RETURN TO THE RECORD TYPE OPTION LIST.
  PA
  EF
RCPECODEFMBLNTLNINPE TITLE ABBREVIATION          DPPCMBC FPPS
ACNNNNNA23010                                     XXXX
ACNNNNNA23010                                     NNNN
ACNNNNNA23010      XXXXXX XXXXXX XXXXXX          XXXXNNNN
```

### AC-PE Title abbreviation user input explained

Line 1 adds a record to the PE Work file which proposes that DPPC be changed on the Current PE Description file.

Line 2 adds a record to the PE Work file which proposes that MBC be changed on the Current PE Description file.

Line 3 adds a record on the PE Work file which proposes that PE-Title abbreviation, DPPC, and MBC be changed on the Current PE Description file.

### AC-PE Title Abbreviation error message examples

```
AC-PE TITLE ABBREVIATION
ENTER YOUR MODIFICATIONS IN THE FORMAT BELOW. ENTER "D" AFTER YOUR LAST LINE
TO RETURN TO THE RECORD TYPE OPTION LIST.
  PA
  EF
RCPECODEFMBLNTLNINPE TITLE ABBREVIATION          DPPCMBC FPPS
ACNNNNNA1 010 .001
ERROR-ACTION FILE MAINTENANCE BLANK ON PE WORK FILE.
ERROR-LINE NUMBER MUST BE BLANK.
ACNNNNNA22001      XXXXXX XXXXXX          XXX NNNNXXNX
ERROR-RECORD EXISTS ON PE WORK FILE.  USE CHANGE.
ACNNNNNA23              X XX
ERROR-IMBEDDED BLANKS IN DPPC.
```

### AD-PE inclusions response

```
AD-PE INCLUSIONS
ENTER YOUR MODIFICATIONS IN THE FORMAT BELOW. ENTER "D" AFTER YOUR LAST LINE
TO RETURN TO THE RECORD TYPE OPTION LIST.
UP TO 99 LINES MAY BE USED TO DESCRIBE PE INCLUSIONS.
  PA
  EF
RCPECODEFMBLNTLNINPE INCLUSIONS
ADNNNNNA 010 001XXXXXX XXXXXX XXXXXX X   X XXXXXX XXXXXX XXXXXX XXXXXX XXXX
ADNNNNNA 020 002XXXXXX XXXXXX XXXXXX
ADNNNNNA 030 003XXXXXX          XXXXXX
ADNNNNNA 040 004XXXX   XXXXXX
ADNNNNNA 050 005XXXXXX   XXXX          XXXXXX
ADNNNNNA 060 006XXX   XXXXXXXXXX XXXXXXXX          XXXXXXXXXX

ANY MORE? YES OR NO.
```

# AD-PE inclusions user input

AD-PE INCLUSIONS				
ENTER YOUR MODIFICATIONS IN THE FORMAT BELOW. ENTER "D" AFTER YOUR LAST LINE TO RETURN TO THE RECORD TYPE OPTION LIST.				
UP TO 99 LINES MAY BE USED TO DESCRIBE PE INCLUSIONS.				
PA				
EF				
RCPECODEFMBLNTLNINPE INCLUSIONS				
ADNNNNNA23010				XXXXXX ###
ADNNNNNA21020030				
ADNNNNNA22061	XXXXXX	XXXXXX	XXXX	
ADNNNNNA22062	XXXX		XXXXXX	
ADNNNNNA22021	XXXXX			
ADNNNNNA22022	XX XX XX			
ANY MORE? YES OR NO.				

## AD-PE inclusions user input explained

Line 1 adds a record to the PE Work file that proposes data overwritten be changed or blanked on the Current PE Description file.

Line 2 adds 2 records to the PE Work file with PE Work file begin line numbers 021 through 022, PE Work file function and action file maintenance equal to add upon which the user is inserting additional data.

Line 3 adds 2 records to the PE Work file which propose that the second and third records of the Current PE Description file be deleted.

Lines 4 and 5 add 2 records to the PE Work file which propose that two records be appended to the sixth record in the Current PE Description file.



# AD-PE Inclusion error message examples

## AD-PE INCLUSIONS

ENTER YOUR MODIFICATIONS IN THE FORMAT BELOW. ENTER "D" AFTER YOUR LAST LINE TO RETURN TO THE RECORD TYPE OPTION LIST.

UP TO 99 LINES MAY BE USED TO DESCRIBE PE INCLUSIONS.

PA

EF

RCPECODEFMBLNTLNINPE INCLUSIONS

ADNNNNNA23010 001 XXXXX

ERROR-PE INCLUSIONS MUST BEGIN WITH A NON-BLANK CHARACTER.

ADNNNNNA 020 002XXXXXX XXXXXX XXXXXX

ADNNNNNA22021 XXXXX

ADNNNNNA22022 XX XX XX

ADNNNNNA21030020003XXXXXX

ERROR-PE WORK FILE BEGIN LINE NUMBER GREATER THAN THROUGH LINE NUMBER.

ANY MORE? YES OR NO.

AE-PE Exclusions displays and dialogue are essentially the same as PE Inclusions except that record code is AE and "EXCLUSIONS" replaces "INCLUSIONS" wherever appropriate.

## AF-Point of contact response

### AF-POINT OF CONTACT

ENTER YOUR MODIFICATIONS IN THE FORMAT BELOW. ENTER "D" AFTER YOUR LAST LINE TO RETURN TO THE RECORD TYPE OPTION LIST.

PA

EF

RCPECODEFMBLNTLNINPOINT OF CONTACT

AFNNNNNA 010 001XXXXXX XXXXXX XXXXXX XXXXXX

## AF-Point of contact user input

### AF-POINT OF CONTACT

ENTER YOUR MODIFICATIONS IN THE FORMAT BELOW. ENTER "D" AFTER YOUR LAST LINE TO RETURN TO THE RECORD TYPE OPTION LIST.

PA

EF

RCPECODEFMBLNTLNINPOINT OF CONTACT

AFNNNNNA23010 XXXXX#

The above transaction illustrates the fact that in this module it is only possible to add a record to the PE Work file which proposes that the point of contact data be changed on the Current PE Description file.

Error messages are displayed below the point of contact record in the form:

ERROR-XXXXXX XXXXXX ETC.

AG-Source of resources displays and dialogue are essentially the same as PE Inclusions, except that the maximum number of lines is 9, record code is AG, and "SOURCE OF RESOURCES" replaces "PE INCLUSIONS" wherever appropriate.

AH-Disposition of resources displays and dialogue are also essentially the same as PE Inclusions except for record code, lines limitation, and "DISPOSITON" versus "SOURCE" as noted above.

AI-RIC displays and dialogue are similar to the PE-Inclusions with adjustments for record code and titles.

●●● Or, finally,

THE PE CODE WHICH YOU ENTERED IS ON THE PE WORK FILE. IF YOU WANT TO FURTHER MODIFY, ENTER "C" OR ENTER "R" TO RETURN TO THE PE WORK FILE OPTION LIST TO UPDATE THE CURRENT PE DESCRIPTION.

If the user enters "C", the displays discussed in the preceding section are produced beginning with the record type option selection list. In all cases the data displayed is that which resulted from the application of the last changes. The following examples using PE Title are illustrative:

a. In this example, it is assumed that the user has entered the PE code of a Current PE Description which was previously added to the PE Work file to which no changes have yet been applied. For simplicity, header information is only shown once. Also, to highlight the specific data entered by the user, only that information is shown, although the display would include all of the other data not being changed.

AA-PE TITLE

ENTER YOUR MODIFICATIONS IN THE FORMAT BELOW. ENTER "D" AFTER YOUR LAST LINE  
TO RETURN TO THE RECORD TYPE OPTION LIST.

PA  
EF

RCPECODEFMBLNTLN	LINPE TITLE	EFDATETRDATE
AANNNNNA 010	001XXXXXX XXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXX	XXXXX770331820930
AANNNNNA 020	002XXXXXXXX XXXXXXXXXXXXXXX XXXXXXXX XXXXXXXXXXXX	
AANNNNNA 030	003XXXXXXXXXXXXX.	

USER INPUT

AANNNNNA23010	770630	D
---------------	--------	---

RESULTANT DISPLAY

AANNNNNA 3010	001XXXXXX XXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXX XXXXX770630820930
AANNNNNA 020	002XXXXXXXX XXXXXXXXXXXXXXX XXXXXXXX XXXXXXXXXXXX
AANNNNNA 030	003XXXXXXXXXXXXX.

USER INPUT

AANNNNNA22021	XXX.	D
AANNNNNA21030		

RESULTANT DISPLAY

AANNNNNA 3010	001XXXXXX XXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXX XXXXX770630820930
AANNNNNA 020	002XXXXXXXX XXXXXXXXXXXXXXX XXXXXXXX XXXXXXXXXXXX
AANNNNNA 2021	XXX.
THE FOLLOWING RECORDS WILL BE DELETED FROM THE CURRENT PE DESCRIPTION:	
AANNNNNA 1030	003XXXXXXXXXXXXX.

USER INPUT

AANNNNNA1 010	D
---------------	---

RESULTANT DISPLAY

AANNNNNA 010	001XXXXXX XXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXX XXXXX770331820930
AANNNNNA 020	002XXXXXXXX XXXXXXXXXXXXXXX XXXXXXXX XXXXXXXXXXXX
AANNNNNA 2021	XXX.
THE FOLLOWING RECORDS WILL BE DELETED FROM THE CURRENT PE DESCRIPTION:	
AANNNNNA 1030	003XXXXXXXXXXXXX.

b. In this example, it is assumed that the user has entered the PE code of a PE description which only exists on the PE Work file. Once again, headers and data in the display not being changed are not shown.

AA-PE TITLE				
ENTER YOUR MODIFICATIONS IN THE FORMAT BELOW. ENTER "D" AFTER YOUR LAST LINE TO RETURN TO THE RECORD TYPE OPTION LIST.				
PA				
EF				
RCPECODE	FMBLNTLN	INPE TITLE		EFDATETRDATE
AANNNNNA 2001	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX 780331999999
AANNNNNA 2002	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
AANNNNNA 2003	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX

#### USER INPUT

AANNNNNA3 001	#####	D
---------------	-------	---

#### RESULTANT DISPLAY

AANNNNNA 2001	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	780331999999
AANNNNNA 2002	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
AANNNNNA 2003	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	

#### USER INPUT

AANNNNNA1 002003		
AANNNNNA22002	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
AANNNNNA22003	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	D

#### RESULTANT DISPLAY

AANNNNNA 2001	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	780331999999
AANNNNNA 2002	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				
AANNNNNA 2003	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				

#### ●● Update current PE Description

UPDATE CURRENT PE DESCRIPTION	
ENTER THE PE CODE BETWEEN THE ASTERISKS BELOW WHICH YOU WANT TO UPDATE OR ENTER "R" TO RETURN TO THE PE WORK FILE OPTION LIST.	
*NNNNNA*	

If the PE code is invalid, the following error messages are returned as appropriate in the preceding display.

\*ERROR-PE CODE 1-5 MUST BE NUMERIC.  
\*ERROR-PE CODE 6 MUST BE "A".  
\*ERROR-PE CODE NOT ON PE MASTER.  
\*ERROR-ATTEMPT TO UPDATE CANCELLED PE.

Transactions which pass the edits produce one of the following displays.

●●● Either

THE PE CODE YOU HAVE ENTERED IS NOT ON THE PE WORK FILE. ENTER "C" TO SELECT ANOTHER PE CODE OR ENTER "R" TO RETURN TO THE PE WORK FILE OPTION LIST.

●●● Or

THE CURRENT PE DESCRIPTION FOR PE CODE \*NNNNNA\* HAS BEEN UPDATED.



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APPENDIX D  
DATA ELEMENTS

# APPENDIX D

## DATA ELEMENTS

<u>MNEMONIC</u>	<u>DESCRIPTION</u>	<u>LENGTH</u>	<u>TYPE</u>
AFMNT	<u>Action File Maintenance</u> describes whether an input transaction is intended to delete, add, or change a record on the Current PE Description file.	1	N
AUTDT	<u>Authority Date</u> is the day, month, and year on which an OSD decision to change the FYDP structure was made.	7	A/N
AUTHO	<u>Authority</u> is the basis for changing the FYDP structure.	3	A
AUTNR	<u>Authority Number</u> is the number assigned by OSD to each decision.	7	A/N
CDATE	<u>Change Date</u> is the date upon which a Current PE Description was updated by transactions from the PE Work file.	6	N
DISPR	<u>Disposition of Resources</u> describes the PEs to which resources have been transferred out of a PE.	60	A/N
DPCAT	<u>Defense Planning and Programing Category</u> is an aggregation of program elements (see PECOD) into OSD functional categories and subcategories.	4	A/N
DPCTT	<u>Defense Planning and Programing Category Title</u> briefly describes each DPCAT.	36	A/N
EDATE	<u>Effective Date</u> is the date on which a program element is, or was, authorized to have resources charged against it.	6	N
FUPGM	<u>Functional Program</u> is used to aggregate resources for special activities managed or reviewed as an entity that may cross FYDP PE lines.	2	A/N

<u>MNEMONIC</u>	<u>DESCRIPTION</u>	<u>LENGTH</u>	<u>TYPE</u>
FUPTT	<p><u>Functional Program Title</u> briefly describes the activities which comprise a functional program. Current functional programs are as follows:</p> <p><u>Title</u>  Consolidated Cryptologic Program (CCP)  General Defense Intelligence Program (GDIP)  Automation  Ballistic Missile Defense Program  COMSEC Resources Program  Intelligence-Related Activities  Management Headquarters  Telecommunications and Command and Control Program (T&amp;CCP)</p>	36	A/N
LINUM	<p><u>Line Number</u> is the address of a specific record within a coded record type. It is also used to sort records within a record type.</p>	2	N
MBCAT	<p><u>Mission Budget Category</u> is an aggregation of program elements into mission and sub-mission categories.</p>	4	N
MBCTT	<p><u>Mission Budget Category Title</u> briefly describes each MBC.</p>	36	A/N
PDATE	<p><u>Publication Date</u> is the date that a version of the PE Description was published.</p>	6	N
PECOD	<p><u>Program Element Code</u> is a program/budget code that groups the forces, manpower, and dollars associated with an organization or group of similar organizations.</p>	6	A/N
PEXCL	<p><u>Program Element Exclusions</u> specify those resources, types of organizations, and missions which may not be associated with a PE.</p>	60	A/N
PEINC	<p><u>Program Element Inclusions</u> specify what kinds of resources, kinds of organizations, and organization types which may be associated with a PE.</p>	60	A/N

<u>MNEMONIC</u>	<u>DESCRIPTION</u>	<u>LENGTH</u>	<u>TYPE</u>
PETIT	<u>Program Element Title</u> is a brief clear text description of the PE.	48	A/N
PETTA	<u>Program Element Title Abbreviation</u> is a condensed version of the Program Element Title.	36	A/N
PEWBL	<u>Program Element Work File Begin Line Number</u> is the address of a specific record within a coded record type. It is also used to sequence records within a record type. When used in conjunction with PE Work file through line number it also specifies the starting record within a range of records.	3	N
PEWFU	<u>Program Element Work File Function</u> describes whether an input transaction is intended to delete, add, or change a record in the PE Work file.	1	N
PEWTL	<u>Program Element Work File Through Line Number</u> is the address for the last record in a range of records to be modified by a single input transaction.	3	N
POCON	<u>Point of Contact</u> is the office symbol, name, telephone number, and room number of the individual responsible for the PE.	60	A/N
PSPGM	<u>Program/Subprogram</u> identifies one of the ten programs of the DOD FYDP in the first position and the first subdivision within the OMA account in the second position.	2	A/N
PSPTT	<u>Program/Subprogram Title</u> briefly identifies the PSP.	36	A/N
RECOD	<u>Record Code</u> identifies the type of coded record. The following coded record types are used:  AA-PE Title AB-Authority	2	A



<u>MNEMONIC</u>	<u>DESCRIPTION</u>	<u>LENGTH</u>	<u>TYPE</u>												
	AC-PE Title Abbreviation AD-PE Inclusions AE-PE Exclusions AF-Point of Contact AG-Source of Resources AH-Disposition of Resources AI-RIC AJ-DPPC Title AK-MBC Title AL-FP Title AM-PSP Title														
RICOD	<u>Resource Identification Code</u> is a device used to identify the types of resources assigned to each PE. OASD assigns RICs to each DOD component for use in reporting specific data in response to guidance for updating the DOD FYDP.	4	N												
RICTT	<u>Resource Identification Code Title</u> briefly describes the meaning of each RIC.	36	A/N												
RICTY	<u>Record Type</u> is used to identify resource categories as follows:	2	N												
	<table><tr><td><u>Code</u></td><td><u>Category</u></td></tr><tr><td>02</td><td>Forces data</td></tr><tr><td>03</td><td>Research and development total obligational authority</td></tr><tr><td>04</td><td>Investment total obligational authority</td></tr><tr><td>05</td><td>Operating total obligational authority</td></tr><tr><td>06</td><td>Manpower data</td></tr></table>	<u>Code</u>	<u>Category</u>	02	Forces data	03	Research and development total obligational authority	04	Investment total obligational authority	05	Operating total obligational authority	06	Manpower data		
<u>Code</u>	<u>Category</u>														
02	Forces data														
03	Research and development total obligational authority														
04	Investment total obligational authority														
05	Operating total obligational authority														
06	Manpower data														
SORCE	<u>Source of Resources</u> describes the PEs from which resources have been realigned in constituting the PE.	60	A/N												
STATU	<u>Status</u> indicates whether a PE is current, projected, cancelled, historical, or tentative.	1	A												
UICOD	<u>Unit Identification Code</u> is a code that uniquely identifies a particular MTOE or TDA organization.	6	A/N												

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APPENDIX E  
RECORD FORMATS

APPENDIX E  
RECORD FORMATS

<u>FILE</u>	<u>MNEMONIC</u>	<u>RECORD POSITIONS</u>
PE Master	PECOD	1-6
	STATU	7
RIC Master	RICOD	1-4
	RICTT	5-40
	RICTY	41-42
	STATU	43
PSP Master	PSPGM	1-2
	PSPTT	3-38
MBC Master	MBCAT	1-4
	MBCTT	5-40
	STATU	41
FP Master	FUPGM	1-2
	FUPTT	3-38
DPPC Master	DPCAT	1-4
	DPCTT	5-40
Current PE Description by RECOD	AA-RECOD	1-2
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	LINUM	9-10
	PETIT	11-58
	EDATE	59-64
	TDATE	65-70
	PDATE	71-76
	CDATE	77-82
	AB-RECOD	1-2
	PECOD	3-8
	LINUM	9-10
	AUTHO	11-14
	AUTNR	15-21
	AUTDT	22-28
	AUTHO	29-31
	AUTNR	32-38
	AUTDT	39-45

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FUNCTIONAL DESCRIPTION FOR AN ENHANCED PE DATA BASE (PROBE) INT--ETC(U)

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2 OF 2

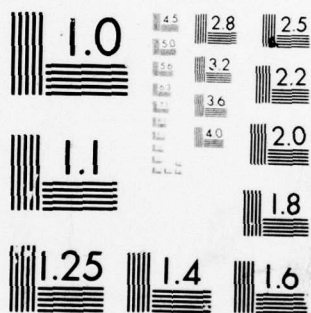
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<u>FILE</u>	<u>MNEMONIC</u>	<u>RECORD POSITIONS</u>
	AC-RECOD	1-2
	PECOD	3-8
	LINUM	9-10
	PETTA	11-46
	DPCAT	47-50
	MBCAT	51-54
	FUPGM	55-56
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	AD-RECOD	1-2
	PECOD	3-8
	LINUM	9-10
	PEINC	11-70
	AE-RECOD	1-2
	PECOD	3-8
	LINUM	9-10
	PEXCL	11-70
	AF-RECOD	1-2
	PECOD	3-8
	LINUM	9-10
	POCON	11-70
	AG-RECOD	1-2
	PECOD	3-8
	LINUM	9-10
	SORCE	11-70
	AH-RECOD	1-2
	PECOD	3-8
	LINUM	9-10
	DISPR	11-70
	AI-RECOD	1-2
	PECOD	3-8
	LINUM	9-10
	RICOD	11-14
PE Work File by RECOD	AA-RECOD	1-2
	PECOD	3-8
	AFMNT	9
	PEWLN	10-12

<u>FILE</u>	<u>MNEMONIC</u>	<u>RECORD POSITIONS</u>
	LINUM	13-14
	PETIT	15-62
	EDATE	63-68
	TDATE	69-74
	PDATE	75-80
	CDATE	81-86
	AB-RECOD	1-2
	PECOD	3-8
	AFMNT	9
	PEWLN	10-12
	LINUM	13-14
	AUTHO	15-17
	AUTNR	18-24
	AUTDT	25-31
	AUTHO	32-34
	AUTNR	33-39
	AUTDT	40-46
	AC-RECOD	1-2
	PECOD	3-8
	AFMNT	9
	PEWLN	10-12
	LINUM	13-14
	PETTA	15-50
	DPCAT	51-54
	MBCAT	55-58
	FUPGM	59-60
	PSPGM	61-62
	AD-RECOD	1-2
	PECOD	3-8
	AFMNT	9
	PEWLN	10-12
	LINUM	13-14
	PEINC	15-74
	AE-RECOD	1-2
	PECOD	3-8
	AFMNT	9
	PEWLN	10-12
	LINUM	13-14
	PEXCL	15-74

<u>FILE</u>	<u>MNEMONIC</u>	<u>RECORD POSITIONS</u>
	AF-RECOD	1-2
	PECOD	3-8
	AFMNT	9
	PEWLN	10-12
	LINUM	13-14
	POCON	15-74
	AG-RECOD	1-2
	PECOD	3-8
	AFMNT	9
	PEWLN	10-12
	LINUM	13-14
	SORCE	15-74
	AH-RECOD	1-2
	PECOD	3-8
	AFMNT	9
	PEWLN	10-12
	LINUM	13-14
	DISPR	15-74
	AI-RECOD	1-2
	PECOD	3-8
	AFMNT	9
	PEWLN	10-12
	LINUM	13-14
	RICOD	15-18

Prior PE Description file formats are the same as Current PE Description except for the following record types.

AI-RECOD	1-2
PECOD	3-8
LINUM	9-10
RICOD	11-14
RICTT	15-50
AJ-RECOD	1-2
PECOD	3-8
LINUM	9-10
DPCTT	11-46

FILEMNEMONICRECORD  
POSITIONS

AK-RECOD  
PECOD  
LINUM  
MBCTT

1-2  
3-8  
9-10  
11-46

AL-RECOD  
PECOD  
LINUM  
FUPTT

1-2  
3-8  
9-10  
11-46

AM-RECOD  
PECOD  
LINUM  
PSPTT

1-2  
3-8  
9-10  
11-46



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